CB HORIZONS

JUNE 1963
50 Cents
($.55 in Canada)

The AMERICAN CITIZENS BAND ASSOCIATION, Inc.
P. O. Box 405 Oklahoma City 1, Oklahoma
This card certifies that 15#1670
owned and operated by ERNEST L. WALKER
is a Charter Member in good standing of the ACBA, and that this Citizens Band Radio Station will always be available to provide emergency radio communications when and where needed.
Chairman, Membership Committee
Member's Signature
Dated 5-10-63 Membership No. 00001

TWO-WAY RADIO FOR BUSINESS AND PLEASURE

COMPREHENSIVE REPORT —

THE GROWING PAINS OF CITIZENS BAND RADIO

General MC5 Sidebander

the measure of quality for all citizens band transceivers

The World's most advanced 11 Meter two-way radio

FREE— Write for schematic and complete technical manual

3.25 watts minimum output. • Sideband receiver adapter* for single and double sideband reception. • New Zener Diode shunt noise-clamp and series gated limiter circuit for highest noise limiting ever achieved. • New ultra-low drift oscillators for unsurpassed stability. • New, Hi-Level Tone-Signal. • Illuminated "S" Meter. • 6V, 12V, 115V operation. • 15 watt construction. • Net Price including microphone and crystal . . . $199.95. • *Sideband receiver adapter optional $19.95 + inst. Optional accessories available. 6 Volt or 12 Volt cord, each $4.95. Crystal T or R, each $2.95. 90 day warranty. F.O.B. Burbank, California.

Under present rules part 19.32 the FCC does not provide for more than (5) watt input in the Citizens Radio Service (26.965-27.225 MC Band)

General's SIDEBAND TRANSMITTER — Available Soon

A new concept in C.B. Communications. A Sideband Transmission Adapter and AM Linear Amplifier **all in one package**...and best of all **True Electronic Switching**—Just plug it into the antenna. This unit may also be used on the 10 meter band at 50 Watts P.E.P. Sideband and 25 Watts P.E.P. AM with only 3 watts of drive.

This Dual Function...Sideband and AM Linear Amplifier for 10 and 11 meters is only $99.95 Net. F.O.B. Burbank, California.

GENERAL RADIOTELEPHONE COMPANY

3501 West Burbank Boulevard, Burbank, California

Announcing.....The rugged

General VS2

GENERAL RADIOTELEPHONE COMPANY
A B C D E
REGISTRY NO.
DESIGNED TO COMPLY WITH REQUIREMENTS FOR CLASS "D" EQUIPMENT AS SET FORTH UNDER FEDERAL COMMUNICATIONS COMMISSION RULES.
MODEL VS-2, TRANSCEIVER, VIBRATION SERVICE RATED. FREQ. RANGE: 26-27 MC. POWER REQUIREMENTS: 12-14 VOLTS DC. - 115 VOLTS AC. MANUFACTURED IN U. S. A.
SQUELCH
ON-OFF-VOL

First vibration resistant, two-way radio.

General Radiotelephone, already known and respected as quality leaders in the communications field, again prove themselves "years ahead in craftsmanship" in bringing you this compact two-way radio unit which has proven itself sturdy enough for outdoor use on all types of industrial and agricultural vehicles.

VS 2 offers these special features at **no** extra cost:

1. Transistorized power with automatic short circuit protection.
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6. Etched aluminum panel.
7. Designed especially for rough and tough service operation.

Net price including microphone, crystals for one channel and 115 volt power cord...only $139.95.

General's VS 2, because of its **Vibration Rated Service,** will meet every outdoor requirement and can be used with utmost confidence on jeeps, tractors, fork lifts or on any type equipment needing rugged dependability.

APRIL WINNER OF GENERAL'S DRAWING

LEE CORVISS, KEA1504
LYON, MISSISSIPPI

GENERAL RADIOTELEPHONE COMPANY

3501 West Burbank Boulevard, Burbank, California

OZZIE'S MAIL-BOX

Ozzie:

Can CB be used overseas? I am particularly interested in Europe.

Capt. M. L. Davis
Ft. Sam Houston, Texas

Captain—

Germany and Italy now have a 27 megacycle service similar to our Class D radio. Great Britain is currently in an uproar over a proposal to establish a similar service there. However, all are similar to the situation in Canada where aliens are not allowed to operate at present.

Ozzie

Ozzie:

Today I received a copy of your magazine through the mail. I don't know how you found me, but I am certainly happy that you did! I have been a CB'er for about a year now and own a single channel transceiver. To put it mildly, I was simply amazed by your magazine. I had no idea that there existed a publication so completely dedicated to the "Health and Welfare" of CB enthusiasts. Judging by the fact that you've been around since 1961, I have missed out on a lot of good reading. I'd like to make special comment about one article in your March issue, and that is the petition drawn up by the International Crystal Company to establish a Hobby Class Service. This has hit the nail right on the head. By putting into words and action a dream that no doubt has floated through the minds of many a CB'er at one time or another, they have come up with what I think is the whole solution to the FCC's problems with Part 19.

Kim J. Kursonis,
KHI0147
Ferndale, Michigan

Kim—

Thanks for the nice comments. We note from your new call letters (KHI) that you have apparently moved recently. CB Horizons mails out a sample free magazine to each and every new license granted, and by moving and obtaining a new license, we finally caught up with you!

Ozzie

Dear Ozzie:

Until your March issue I only THOUGHT your magazine was the best of its kind . . . but now, after the March issue, I KNOW it is! The entire issue was great. Keep up the good work in your Channel 24 department-your editorials are excellent. At least one magazine has guts enough to take a strong stand against the proposed changes. I do have one complaint. For the past seven months our CB Radio Club (South-Lynd Radio Club) has been sending publicity releases to your 19th district CCM, but so far no word in print. Can you help?

Dennis Schneider,
19Q3298
South Euclid, Ohio

Dennis—

Dunno. Let's try this approach. What say Vern L. Cuker, 19W9224 of Mt. Clemens, Michigan? Where are the press releases from the Ohio 19th district gang?

Ozzie

Dear Ozzie:

Being one of the early CB'ers, I have followed magazines and their articles pertaining to the Citizens Band. At first the writers seemed very much in favor of CB, but now at the first sign that the FCC is going to change the rules, and these same writers are now criticizing CB. Their articles have been a complete turn about. No one, it seemed, wanted to speak out for the CB'ers. No one except CB Horizons, that is. Because you have spoken out to protect us, CBH has become "tops," and as you stated, it does speak for CB radio with truth and fairness. I want to assure you that every copy of CB Horizons has a special spot on my shelves, and they will be around here for a long time. And I know of many others who share this same feeling for CBH.

Walton F. Wendell
Ticonderoga, New York

Walt—

You know what they say about the pen being mightier than the sword. We've never been very good with a sword but our penmanship has improved considerably of late!

Ozzie

Dear Ozzie:

After reading the March issue of CBH and the article "Death of the Friendship Station 15W1570," I was both shocked and amused. If Mr. Walker had such a yearn to talk skip that he ignored two citations from the FCC, why doesn't he, with just a little effort, obtain an amateur radio license? This way he can talk skip to his heart's content without violating any rules.

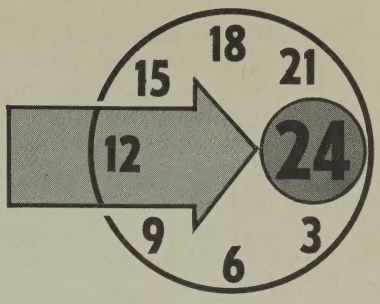
Clayton Dunger,
K8BQJ/KHI0268
Saginaw, Michigan

Clayton—

Ah me, the dot and dash boys are at it again. First of all, Ernie Walker never ignored a citation. He always answered each one promptly and explained exactly what he was doing. And he told the FCC, each time, that he was going to continue talking skip because he didn't feel it was within their powers to regulate this type of transmission. The FCC disagreed, and took away his license. That's the story, except that now Ernie is fighting to get it back by having this matter tested in court. That's why we have a constitution, to keep a system of checks and balances going. It's just possible, you know, that Ernie may be right.

Ozzie

EDITORIAL CHANNEL



BOB COOPER, JR.—KEG2607

A NATIONAL CB ASSOCIATION AT LAST

Even before the first issue of **CB Horizons** rolled off the presses back in May, 1961, it seemed there was a line a block long outside our door, made up for the most part of well meaning CB'ers who wanted us to get a nationwide organization for CB rolling. In the early days of this publication it was sort of a "if you adopt us, we'll adopt you" attitude. We felt obligated to say ". . . we'd better wait and see how you fellows do with your new **national group** before we pledge our support."

And off they'd trot anxious to prove to us that they had what it took to get the ball into action.

Only none ever quite made it. Then just a year ago a new group known as the National Citizens Radio League (NCRL) came to us from Chicago. It's promoter Chuck Green had a long list of objectives around which he hoped to get CB clubs to rally. Chuck was an honest and hard working chap, but he didn't have the necessary sixth sense to make the NCRL tick. He did have one good idea however. Don't take a local group and try to expand it into a national group (this has been tried many, many times without success). Instead, start at the top, go **directly** to the club presidents, tell them what you are trying to do, and then let the Club presidents sell the idea of affiliating with a national group to the local CB'ers. For CB, this was a new approach, and because of this Chuck got as close as anyone to putting across a national group.

But, as we said, he lacked that sixth sense to make it really go.

Then along came Part 19, and its many ramifications. Out of the Part 19 fight over FCC Docket 14843 rose a number of CB'ers and CB clubs who demonstrated, in their filings with the FCC, that they were capable of handling a touchy and vulnerable situation with great candor and ability.

As **CB Horizons** printed their FCC filings from month to month, several of these lads began to correspond across the miles. And soon a group decided to get together to discuss their mutual problems.

And so they came, from seven states initially, to meet in Kingsport, Tennessee on March 13-15.

Several spokesmen from the group emerged, foremost of whom is Paul W. Thacker, of Kenova, West Virginia. Thacker's Kenova Citizens Band Club filing was distributed by **CB Horizons** to approximately 750 of the top CB clubs in January as an example of what could be done by straight-thinking hard-working individuals.

And from the Kingsport meeting (which **CB Horizons**, regretfully, was unable to attend) came a name and a purpose for a national organization. The **American Citizens Band Association**, it would be called. It's guidelines would be very, very similar to the Ham's national organization, the American Radio Relay League. Members would elect a representative to sit on the Board of Directors from each of the 20 major call-districts. The Board would meet at a central location twice or so each year to formulate policy matters. The Board would be broken down into committees and every board member would serve on at least one committee. Committee's would be charged with drafting and carrying ACBA policy in each of several areas, such as club liason, FCC liason, Part 19 study, manufacturer liason, and so on. At the Board meetings the committee chairmen would report back to the group on the progress of their respective committees, and the Board would in turn vote on overall policy for each committee for the period ahead.

Everything would be run on a budget, and each committee would be required to submit budget requests for allotment of funds required to carry out their work.

The day-to-day operation of the ACBA, since everyone on the Board would be a

part-time CB'er at best, would be handled by an association General Manager, who would be paid a modest salary to keep the wheels rolling and the association operating. The General Manager would be hired by the Personnel Committee on the Board.

And last, but not least, the Board would initially elect from its own membership the President of the ACBA who would serve as elected chief of state.

To be sure, the guidelines are not down pat in every area. A lot of loose ends remain to be tied up. But the main point is that something has been done. And something is being done. Soon . . . very soon it would appear, the CB'ers of the United States will have their very own democratic organization.

When will all of this take place? It is taking place now! All around you. Just as soon as the ACBA has 10,000 members (and the first 10,000 will be Charter Members), the framework for nationwide elections will be released.

CB Horizons is proud to have played a small part in this association's birth. CB Horizons, here and now, pledges our continued support to these hard working individuals who today are building for a better tomorrow in the Citizens Radio Service.

You can become an active part of that better tomorrow **today** by joining right now. We urge you to become one of the 10,000 Charter Members. $1.00 is your investment for one year. It will be the best $1.00 you ever spent in Citizens Radio.

The ACBA temporary membership office is located at 1122 Windsor Street, Kingsport, Tennessee.

NEXT MONTH

Your editor spent April 9th wandering about the hallowed halls of the FCC spending time first with Ivan G. Loucks, then his Attorney Dick Everett, Louck's superior Jim Barr, and subsequently others who have major or minor parts in the C. R. S. matters. From Washington we flew to Kingsport, Tennessee and the 2nd ACBA organizational meeting.

We'll have a **full report on both** in CBH next month. It'll be the magazine with Louck's picture on the front cover.

KEG2607

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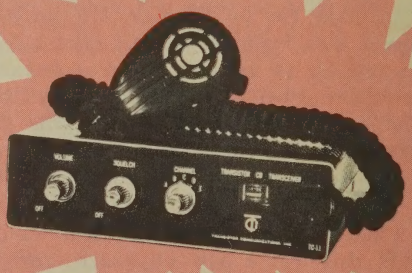
COMPLETELY TRANSISTORIZED, TOTALLY TERRIFIC . . . IT'S THE TRANSISTOR-IFIC TC-11

Here is the transceiver you've been waiting for! The exciting **new TC-11** offers superior performance, stability, and amazing economy. **(No tubes or vibrators to replace . . . ever!)** Modern semi-conductor design delivers solid **5-watt, 5-channel** operation. This new, ultra-compact transceiver is so rugged and reliable that it is guaranteed for a full year—against any defect in workmanship, materials and construction! Get extra range on both transmit and receive . . . minimal battery drain (¼ amp on rec.) and maximum overall perfection; get the **new TC-11!**



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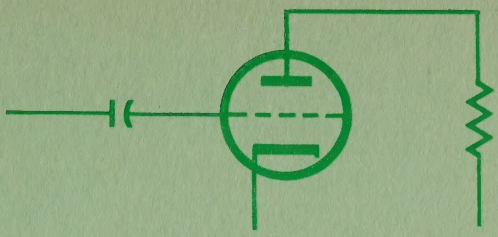

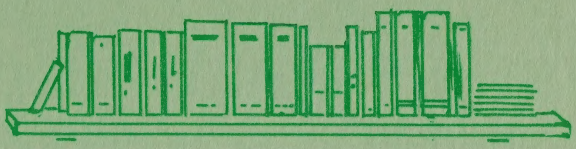

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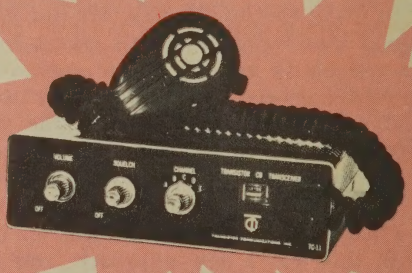

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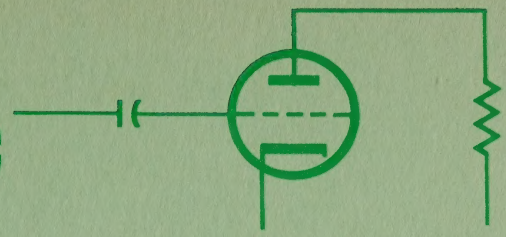

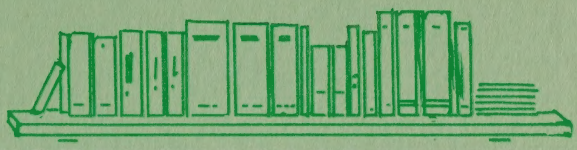

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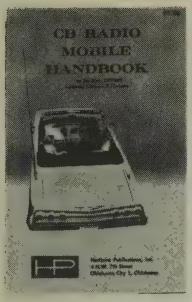
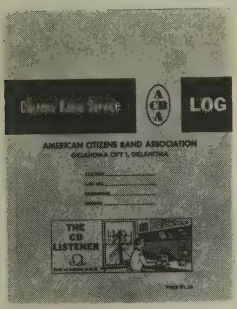


More than 140 pages. Compact glove compartment size. All about installing a CB mobile, fixing it, making it work best. Jim Kyle, 10W0901 Author.
YOU NEED THIS ONE!

$2.95 Postpaid



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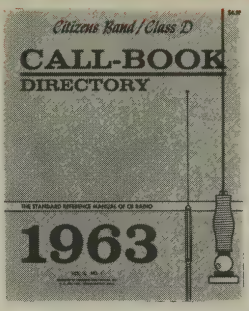
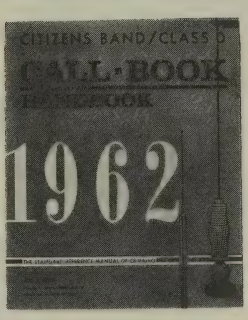


Hear those "Q" calls on the air? There's nearly 80,000 issued. Find out who they are and where they are, plus much more, with this big 9 by 12 hard cover Call-Book. Over 30,000 satisfied users to date, you should be one too!

$4.50 Postpaid



Over 130,000 CB calls issued in 1962. You'll find those names, addresses and locations quickly in this gigantic 300 page plus edition of the CB Call-Book. series. And you'll have a quick reference to nearly 300 CB dealers, 1,400 CB clubs and 2,000 CB monitoring channels all over the country.

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ACBA *IS ON THE MOVE, GROWING EVERYDAY! NEEDS YOUR SUPPORT TODAY!*

CB Horizons magazine has so much confidence in the ACBA that we are donating $1.00 from each subscription received using the card to the left to the ACBA to help in their membership drive. We want to see the ACBA big and strong, holding elections soon and representing CB'ers all over the United States, in Washington.

SIGN UP TODAY!

Read all about the ACBA growth pattern and its activities starting on page 52 of this issue of CB Horizons.

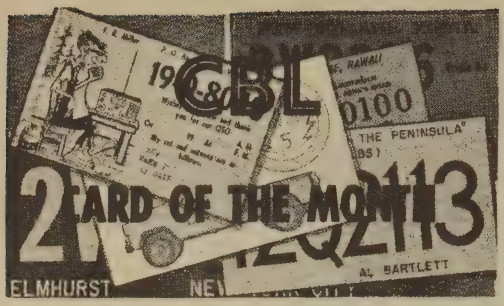
ACBA has CB Club Forms—Write Today!

The AMERICAN CITIZENS BAND ASSOCIATION, Inc.
P. O. Box 405 Oklahoma City 1, Oklahoma

This card certifies that 2500000
owned and operated by JOHN Q. DOE
is a Charter Member in good standing of the ACBA, and that this Citizens Band Radio Station will always be available to provide emergency radio communications when and where needed.

Chairman, Membership Committee Tommy Wellons
Member's Signature John Q. Doe
Dated 5-10-63 Membership no. 00000 ACBA-M-1

ACBA MEMBERSHIP IS ONLY $1.00 PER YEAR



This month's card is a pair of cards. Like from two different stations, each with a different take-off from the same source.

We all read and enjoy the Peanuts Cartoon characters every day in the syndicated comic strip of the same name.

It was certain that sooner or later someone would adapt a Peanut's situation to CB Radio.

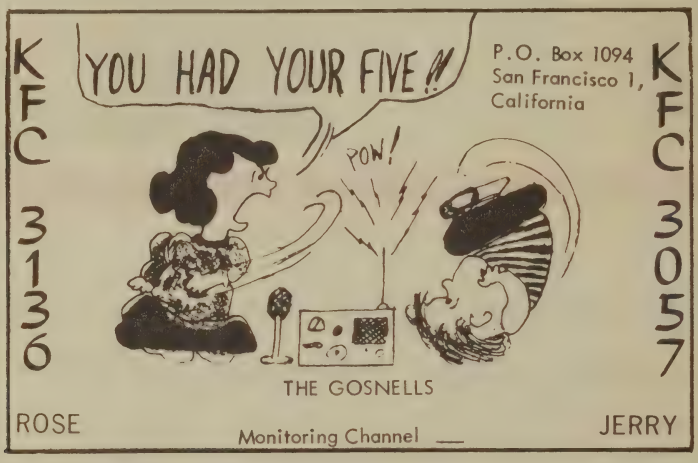
It's happened. Twice. Both from the San Francisco Bay region of California.

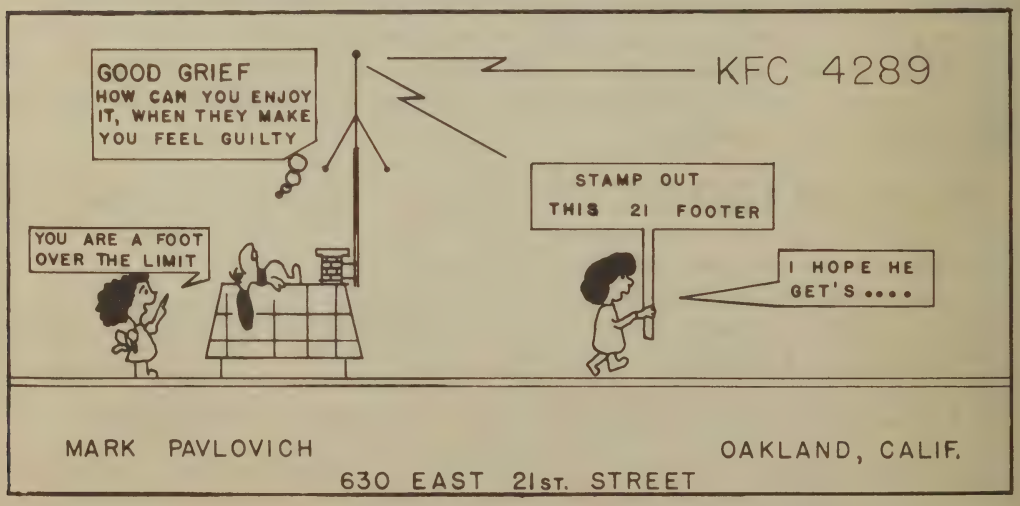
KFC3136, the Gosnells, of San Francisco, California have Lucy clouting poor Linus because he's had "his five."

And KFC4289, Oakland, California has Snoopy playing the part of the CB'er who, according to Lucy, has his antenna mounted over the limit (20 feet).

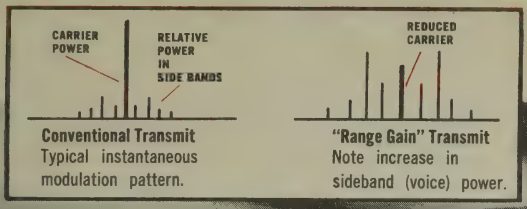
It's all good fun, and its all CB radio. Have you submitted your CBL card to our eagle eyed judges of late? They get better by the month! CBL Card of the Month, P.O. Box 1557, Oklahoma City 1, Okla.

Personal to KBG8721. Everyone voted for your card **except** our attorney who assures us we couldn't send our magazine through the mails if we printed it with your card inside!





DOUBLE SIDE-BAND POWER



Conventional Transmit
Typical instantaneous modulation pattern.

"Range Gain" Transmit
Note increase in sideband (voice) power.

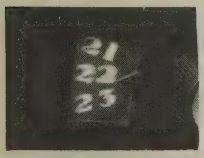
gives you up to 4 times more coverage!

Complete, ready to operate on all 23 channels — nothing else to buy.

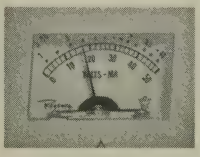
FULL 12-MONTH WRITTEN WARRANTY ON UNIT AND CRYSTALS

NEW Regency RANGE GAIN TRANSCEIVER

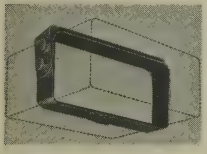
EVERY FEATURE YOU YOURSELF WOULD DESIGN INTO A 2-WAY RADIO!



23 CHANNELS, all crystal-controlled



4-WAY METER, illuminated; 2 scales.



MOBILE MOUNTING BRACKET available.

- **FREE CALL LETTERS furnished.**
- **2-TUBE PUSH-PULL modulator.**
- **CRYSTAL FILTER built in.**

Here is new power, new performance never before available in a CB transceiver! Exclusive Regency Double-Side Band makes the horizon line your operating range . . . lets you transmit and receive on all 23 channels with maximum power allowed by FCC. And, new Range Gain is compatible with existing CB rigs without the use of auxiliary equipment.

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7908 Pendleton Pike, Indianapolis 26, Indiana

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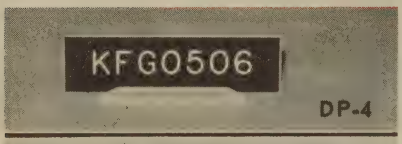

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RS-1 Call only 5/8" x 2¼"..... $1.45

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RM-3 Call plus "Mobile" no. 15/16x2¼"..... $1.95

DP-4 Call only 1½x5-5/8" with plastic base..... $2.95

SA-5 Call only 1½x5-5/8" adhesive-backed for mounting on door or wall..... $2.45

SD-6 Call only 1½x5-5/8" drilled for screw-mounting on wall or door..... $2.45

10% Discount to clubs with orders of 10 or more.

Additional colors, sizes or arrangements available upon request.

Attractive CB call signs are permanently engraved white letters on fade-resistant black formica; adhesive-backed for easy installation on base or mobile units. Available with call letters only or call and unit or mobile number. SATISFACTION GUARANTEED – Full refund if returned within 10 days.

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The World's Most Popular C.B. Base Station Antennas

We don't claim to have discovered the advantages of Phasing... up to 3.86db gain... a lower angle of radiation... beam-like signal attenuation. But, we've done a lot of research, a lot of experimenting and a lot of field testing and we have developed a very comprehensive Engineering Report on Phasing that takes the "guesswork" out of making a Phased installation that will deliver optimum performance for you.

Here are some of the advantages you'll get by Phasing two Hy-Gain Colinears:

- 3.4db Gain from a Hy-Gain Colinear
- Low angle radiation from a Hy-Gain Colinear
- 3.86db additional gain through Phasing
- Greater low angle radiation through Phasing
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Hy-Gain Colinears start at $29.97

See them today at your favorite Hy-Gain Distributors. Write for Hy-Gain Engineering Report on Phasing.

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CB Radio To

In a book soon to be relased by the Allied Radio Corporation, entitled "Getting Acquainted With CB Radio," its author writes ". . . When radio was first developed, it was hailed as the 'miracle of the age,' yet there were many people who thought it would never become practical as a means of communication. Today, however, radio has become a part of our everyday lives and is used to provide entertainment as well as communication. Furthermore, since the advent of Citizens Band Radio, this medium has become a versatile tool which can provide an invaluable service to everyone. The uses of radio are limited only by the imagination."

We couldn't have said it better. And from the looks of our mail of late, there are very few limits to the imagination. At least CB'ers imagination.

In this all too brief report we hope to bring up to date, for the record, a representative round-up of what CB'ers are daily doing with and for their CB radios.

On the surface, it would seem that CB'ers are maturing daily. CB clubs, once strictly social in function, are becoming more and more service-oriented. CB has yet to become an accepted adjunct to the nation's civil defense program, although on a local basis it has become an accepted and much used communications tool.

There are more than 1,400 CB clubs today, in small towns, surburbs and large cities. Gone, in most areas, are the petty jealousies that in years gone by have torn clubs apart at the seams. In their place, have come state and now a national organization devoted to united CB efforts.

In the beginning, and as recently as one year ago, there seemed no national CB purpose. Every CB user, it seemed, had his own and distinct use for CB Radio, and he was loathful to relinquish his individuality and new found power of communicating for a united effort.

Then came the threat of a Part 19 shake-up, and a realization that if things didn't shape up, and fast, that a worried government agency much too small to control the monster that it created would be forced by the users themselves to seriously

FIVE YEARS AGO THIS MONTH — Class D Citizens Band Radio was preparing enthusiasts fairly seething with the desire to talk amongst themselves. Any da have risen to the bait and are off and running with a combined total voice pov two-way radio enthusiasts, we felt that now, in particular, would be an exce 1,000,000 (and that's a lot!) two-way radios are daily put to use from coast-to- one issue . . . you'll have to imagine the many we've been forced to pass by at

The Rescue!

curtail operating conditions.

So united we became, and stronger we have grown. Suddenly, it seemed, CB leaders began to recognize the true potentials that our service offers. And much to the surprise of many, we all began to hear about the **real** CB pioneers of our time, those who have been daily putting CB into action saving lives, helping with community fund raising and polio innoculation drives, and directing people, machines and products from place to place.

Suddenly, it seemed, CB'ers took a quick-but hard look at themselves and decided to show their potential to a not always too friendly community.

CB had and has arrived, and this is that story.

AIRPLANE CRASH — CB THERE

On Februray 17 of this past winter a Northwest Orient Jet crashed shortly after taking off from Miami International. In the air over south central Florida the plane ran into sudden and unpredicted tornado like winds. It plummeted to earth at a speed estimated to be in excess of 600 miles per hour, killing all 43 aboard.

Several hours after the crash a Coast Guard Helicopter began to search an area 40 miles west northwest of Miami known as the Timiami Trail. The South Florida REACT CB group was called into action as a unit of search and rescue. At 6 PM on

o spring upon an unsuspecting nation of communication minded electronic the Federal Communications Commission will announce that 400,000 "citizens" r something in excess of 400,000 times 5 watts. As the voice of these 400,000 ent time to take stock. Take stock, of the many thousand ways that more than st, border to border. Of course we can only hope to scratch the bare surface in is time.

CB in Search and Rescue

the 17th, Ted Ganyard, 7Q0840, President of South Florida React called a state of emergency. In three short minutes 40 stations had checked in as ready for anything. By 6:45, 60 units were moving towards the area where the flight was thought downed. When word came through that a Coast Guard helicopter had sited the wreckage, word was flashed to the REACT units already mobile near the scene. Within minutes several REACT mobiles were beating through the underbrush under the direction of Julian Arroyo, KDH2270, a survival expert.

REACT was the first and only kind of communications available for some time and all REACT members participating in the search were more than a little pleased when a Coast Guard official told them afterward ". . . those little 5 watt sets work a hell-of-a-lot better than our 60 watt rigs"!

CB EMERGENCY SQUADS WORK WITH SHERIFF

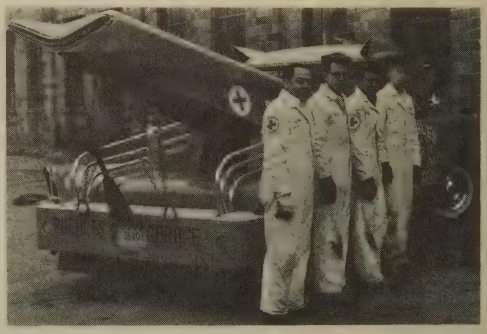
On the opposite coast, near San Diego, California, ten members of a CB Emergency Squad fielded by the Southern California Citizens Band Association went through a two-day search for a 19 year old youth lost in the El Capitan Mountain area. The majority of the CB Emergency Squad spent nearly 48 hours combing the hills with members of the Sheriff's Department from San Diego County. Others stayed home to relay communications for the hand-held and mobile units back to the San Diego County Sheriff's Headquarters.

It all turned out well when the youth himself stumbled back to civilization nearly two days after the search began.

But the tireless public service of these CB'ers made an indellible impression upon the citizens of San Diego County. This type of **official** Emergency Squad sanctioned by the Sheriff's office in counties throughout the United States, has become common place in recent months. In areas where the Civil Defense departments are not **yet** ready to recognize the worth of CB, the CB'ers have turned to the county law enforcement officials with their offers to supply search and rescue communications. Very seldom are they turned down, and more often than not the CB'ers are deputized into the force.

(Editors Note: CB Horizons is compiling a master list of Emergency Squad groups now affiliated or soon to be affiliated with Sheriff's offices. We would appreciate knowing about your group and its present or planned affiliation, if you qualify in this category.)

A typical case history of an arrangement between CB'ers and the county enforcement level personnel is reported from the Pacific Northwest. The Skyliner Mobile Radio Club, Bingen, Washington arranged a meeting with Deputy Sheriff Harvey Martin. Sixteen CB'ers, ready to volunteer their services, showed up at the meeting and demonstrated what CB is and how it performs to the Deputy. Impressed, Deputy Martin announced that he would work out plans for alerting the CB'ers Emergency Squad leader, George Roberts, Jr. (KFF-0202) who in turn would field a force of up to 23 units.



The $23,000.00 rescue vehicle of Milt Ruehle, 19W5385, with CB radio equipment installed. That's Milt on the left.

The Sheriff's office would then station or deploy the mobile units equipped with CB equipment in the strategic or affected area and working through a CB base station set up by the CB'ers at the Sheriff's office, the Emergency Squad would provide supplemental communications for areas that the limited number of Sheriff's Department cars couldn't possibly cover themselves.

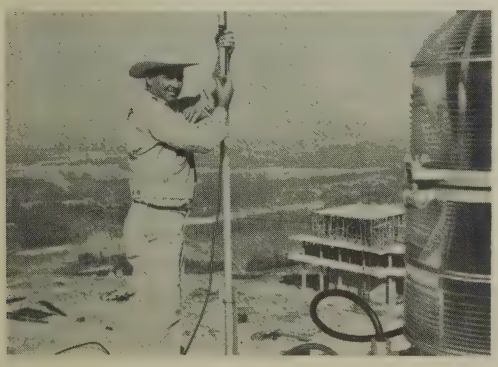
This kind of reasoning makes good sense to many law enforcement personnel; because few, if any, but the largest such agencies have sufficient funds to field what they consider an optimum number of radio equipped cars. With public support from CB'ers, a well planned operation can cover an average county with more radio communication support that the Sheriff could ever get from his county.

And an important side benefit, as Deputy Martin in Goldendale, Washington, noted, is that ". . . with supplemental support of CB, we can keep our own radio system free of anything but actual emergency traffic."

BIG BROTHER IS LISTENING . . .

In and around Decatur and Atlanta, Georgia, CB radio has a strange new listening ear. The program is sure to be duplicated by other CB groups across the nation.

Recognizing that height above average terrain is the key to distant communications and increased coverage range, members of the Dixie Communication Club, Inc., Decatur, Georgia, have just completed the installation of a deluxe CB installation atop 900 foot Stone Mountain in Central Georgia. The club provides continual monitoring, by volunteer club members, at the Stone Mountain monitoring station, on CB channels 9 and 15, on two receivers. The call-letters of the special station, which boasts a communications range of nearly 100 miles, are KDD0547. Mobile CB'ers who need road information, wishing to make reservations for food or lodging in Atlanta, or in need of emergency communications and aid will find the Dixie Monitor standing by on Channels 9 and 15 from 6 PM to midnight daily, and from early Saturday morning until late Sunday night.



Mel Welch tapes down the coaxial cable lead from the Dixie Monitor station KDD0547 antenna atop the Dixie Mountain tower, some 900 feet above the surrounding Georgia terrain shown in the background.

Typical of the CB Club Communications Team approach to 24 hour on-call emergency communications is this group of Macomb (Michigan) CB'ers and their emergency equipped vehicles.

This is a new and unusual approach for a CB club to take. To be sure, nearly all regions of the United States have volunteer monitors who stand by for long periods each day, answering calls from strangers in town or the local CB'ers who suddenly come upon an accident or other incident requiring speedy official action. But the Stone Mountain Monitor is an attempt to cover a large area of a single state from one location, thereby making it truly regional in nature.

ONE MAN RESCUE TEAM

CB'er Milt Ruehle, 19W5385, and owner of the Ruehles Garage, Inc. is a rescue enthusiast who takes his hobby seriously. In fact you might say, he makes his work his hobby! Years ago his primary interest was to make a living for himself and his family with a paint and auto body shop. But he soon found himself going out of his natural way to help others. His big interest, perhaps because of his work line of repairing crumpled autos, was that of trying to devise new and speedier means of removing

and saving motorists in mangled vehicles.

Seeing so many persons die because they were pinned in wreckage apparently had its affect on Milt.

So he built a Rescue Vehicle. With the help of his two sons, Gary 23 and Roy 19, the Rescue Vehicle was born. But not overnight. It took 8 years of labor and nearly $23,000 in cold-hard cash. The wrecker-type of vericle is now, of course, two-way radio equipped with CB. It is also equipped with two 3,000 pound oxygen tanks, special fast-action cutting torches, fire extinguishers, asbestos blankets, skin diving equipment, first aid kits, hydraulic power equipment, a 110 volt AC plant, 2-six hundred watt photo flood lamps, a pair of hand held CB transceivers, complete tool kits, water pumps and many, many more rescue items invaluable to his work.

Milt and his crew are all graduates of Red Cross Rescue Aid Courses, and both sons are trained skin divers.

Milt is a modest sort and won't admit much credit for his work, but others will tell you that upwards of six people are alive today because of his fast and efficient action in getting to them in mangled autos, and removing them, in a matter of minutes.

And now CB radio can take a good part of the credit, for it is CB that gets Milt to the scene of the accident in a hurry.

UP TO HIS ARMPITS — WITH CB RADIO!

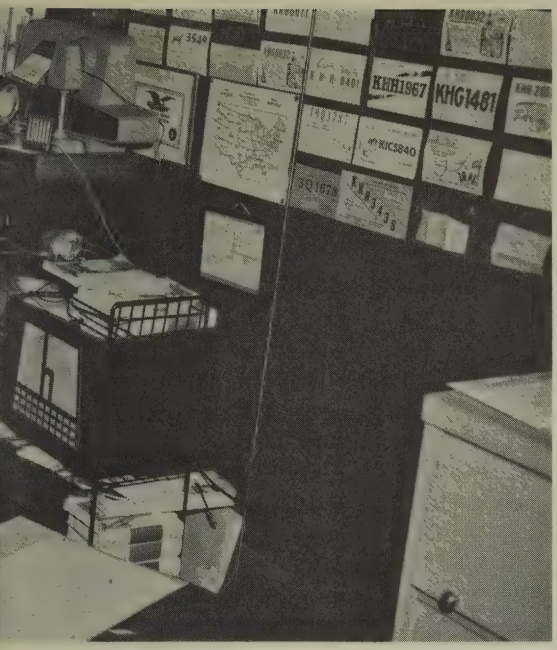
It's not always "the other guy" that gets into trouble. On occasion, it's a CB'er himself. And with one person out of 200 in the United States now using CB radio, in one form or another, at one time or another, nearly every day, the odds are excellent that more often than not, the citizen with a radio in his home, car or boat will find it instrumental in bringing help in a personal situation.

CB As A Collection Aid

Maintaining control function contact with the CB'ers Alliance, Ohio, Dale Eagen, KHBG8071, directs a mob

Such a situation hit CB'er Elmer Trent, KFC0039, as he was trolling for salmon 5 miles south of Capitola in the Monterey Bay area of northern California. During the trolling, the boat hit a submerged object. In a matter of seconds Elmer was up to his armpits — in salt water. But alas, Elmer did not have his CB rig in the boat with him. The situation looked pretty black, and not a little bit wet!

Lucky for Elmer, however, a second CB'er, 12Q1866, was near by with his boat, and he did have his CB marine rig in operation. The wind was coming up and the chop was steepening, and 1886 quickly decided he couldn't tow the bigger and sinking boat. So a call went out to KFC0139, Ed Twohig, who operates the Santa Cruz Boat Rental Service. Ed noticed a 40 foot Sea Scout boat nearby and hailed them with his electronic caller. Within seconds the Sea Scout boat was on its way to the scene where it made contact with poor Elmer Trent's nearly submerged boat. With some difficulty the half above water and half below water remains were towed to shore and Elmer, wet but happy, was glad to be on dry land again.



rticipating in the Mother's March of Dimes Campaign, unit to a pick up point.

Oh yes . . what was the first thing Elmer installed in his re-built boat? You guessed it . . a marine CB rig!

CB FINDS LOST KIDS

One of the earliest uses CB was put to in the search and rescue vein was finding lost children. To the worried and understandably anxious parent, there is very little consolation when a police sergeant explains that his force is undermanned and he simply can't spare more than one squad car to look for the 4 year old tot, even though it is 10 PM and there's rain coming!

The pages of CB Horizons, especially our CCM column, has carried numerous reports of CB Search and Rescue Squads, usually a Committee formed out of the local CB club, searching for and finding both the very young and the very old, when they have strayed away from home.

One can imagine the peace of mind that settles over a small village, a town or a suburb when it becomes known that 10, 20, 40, 100 or even more volunteer searchers, all armed with two-way radio, are ready, willing and able to lend a hand at any hour of the day and night in case someone gets lost.

Because police departments are seldom able to spare the necessary personnel to really do a thorough job of combing an area for a lost person, a team of CB'ers has an exceedingly high percentage of chance to score on the find. From reports we have received, it would appear that better than 91% of all such search and rescue missions culminate in the successful find of the lost party by a member of the CB patrol itself.

This invariably brings about good publicity in the local newspapers, radio and television, and the estimation of the value of CB, plus the public's awareness of CB, is raised several more notches with each such event.

In most areas, where the Search and Rescue Squad is not tied in with a Sheriff's squad, the local police department has an un-official working agreement with the CB'ers. When a search operation comes up, and the police department can't field the necessary personnel to comb the area, the CB club is called in, briefed on the area where the person is likely to be found, and then turned loose.

Under the direction of a mobile control station, usually located in a converted communications bus or van designed and built by the club members, the area is marked off street by street, block by block. Each CB'er is assigned an area to search and like a game of tic-tac-toe the blocks are shaded in on a map as each is searched and checked out. Mobile control keeps the units coordinated and moving, and in a very short time the search usually is completed with the discovery of the lost person.

Wichita Falls, Texas March of Dimes Collector Joe Butler (left) with CB radio operator and driver Bob Kennedy, KEG3217 head for a late afternoon pick up as a part of their public service Telethon project.

CB on The Loose!

Another early and now mushrooming use of CB Radio has been the volunteer services offered by CB Clubs when a community project is underway to raise funds for anything from the March of Dimes to money for a new civic auditorium or hospital. Almost weekly, at some point on the map, a CB club group is active with the huge job of collecting and dispersing funds to a central collection agency.

MARCH OF DIMES IN MIDLAND

On March 2 and 3 of this past winter the Midland Telethon (Texas) for the March of Dimes was telecast over a local television station.

The Midland Citizens Band Club set up a meeting with the Telethon organizers and offered the assistance of the group in supplying communications and mobile units to roam about the city taking their off-the-telephone directions via CB, picking up donations as they were pledged.

One CB base station was set up at the Midland National Band, and more than 20 mobile units equipped with CB radio were fielded by the club. The actual collection work was done by a volunteer group from the city Post Office force, one man assigned to each CB mobile.

An official speaking for the Midland Telethon told the CB volunteers after the project "this has been the smoothest operation we have ever had in Midland, you are to be congratulated".

MOTHERS MARCH WITH CB

The Carnation City Citizens Band Club of Alliance, Ohio joined forces with the gentle sex on January 30th in the Mother's March of Dimes campaign.

In this case the Chairman for the feminine march was a CB'er, Ted Turkle, 19A0869. Turkle asked his fellow CB club members to help out.

As the mothers collected the money and returned to their homes or local control centers, a CB base station set up in the center of town directed CB mobile collections from house to house to pick up the funds. The money was then carried to the bank. As each mother finished her collection work, she called the base headquarters which in turn dispatched the closest mobile to her door. Club members going to the door to pick up the collections carried special identification cards to insure that only bonafide members of the pick-up team could collect the money, and this acted as a double check against any eaves droppers getting there first!

Thirteen mobiles in all worked on the project, which went very smoothly.

"EVERYWHERE BUT UNDERWATER"

Al Smith (Ex-W8CHK)

The instrument panel clock stood at 1800 hours. Cal in the rented four seater had been crossing the search area for the last two, and total flight time for the day was close to six hours. He was tired. Down below him

Diver Cal Deviney (KHG3692) reports an exciting find of an ancient cannon to his land-locked base unit after returning from a deep water dive.

on Lake Huron, the boat crew was tired and wet also. The day had been a successful one, record in fact. We had managed to put the "fix" on eighteen wrecks plus two probables. Probables are straight lined masses not readily identifiable, but not found in nature, therefore noted for future exploration.

Putting the "fix" on underwater objects, especially sunken ships, is the main order of business with Marine Specialists of Flint, Michigan. Sightings made on an aerial survey usually end up as exact locations for use by other divers, diving clubs and fishermen. The eighteen sightings of the record day are now part of exact location charts for sale to any interested party.

Locating and investigating the forgotten hulks of ships, that once sailed the great lakes and connecting waters, is a full time job at Marine Specialists. From the offices in Flint, Michigan there flows a continual stream of maps, charts and special information concerning these relics of the past. These highly specialized charts and maps can be of great assistance to treasure hunters and sportsmen.

Much research and field work is required to authenticate wreck locations. A few such as the Dean Richmond, in Lake Erie and the Westmoreland in Lake Michigan have so far refused to yield to location despite mountains of research work.

The day we set the record was one of those you hope for, but seldom get; all the elements were cooperating. On that particular day we had calm water and a bright, but slightly overcast sky. The water, being clear and glareless, gave good visibility to forty feet when viewed from the plane. Fortunately we got off to an early start, with Cal in the airplane and two divers in the work boat. A brace of International Executive CB units between us rounded out our equipment. At last we were to test a technique previously limited to short trials.

The Marine Specialists search technique involves maneuvering a boat in accordance with the visual contacts made by an airplane pilot or his observer. Communication between the boat and plane is always via CB radio. High visibility water is required for good results and Great Lakes waters above Michigan highway M-46 are usually suitable. The greater the visibility, the more successful the technique.

When previous research indicates a certain lake area to be a historic one, (having one or more shipwrecks) the necessary equipment is readied to thoroughly explore the lake bottom in that part of the lake. Conventional equipment for this type of survey includes Sonar scanning, metal presence detecting and magneto-meter search. Although these methods most often used, they are time consuming and very costly. In shallow water one good day with an airplane, boat and CB radio communicator will accumulate more data than six months with conventional methods.

Marine Specialists has been using CB radio, in certain situations, as a substitute for radar. The opportunity arises because many harbors of refuge have narrow entrance chanels. These channels are difficult to locate in dense fog. Marine Specialists use CB radio to transmit homing instructions to their search and salvage craft trying to enter these constricted harbor entrances during periods of fog.

Apart from the special applications of CB radio used by Marine Specialists, the normal uses also are fully exploited. The equipment in use consists of the International Executive 100, 10 units located aboard boats, in cars and at the office.

Searching the bottom the Great Lakes and connecting waters for the derbis of history demands great patience and stamina. Field work often separates individuals working in the same area. The separation may be shore line irregularity or it may be simply distance. CB radio provides the means for keeping "in touch" so necessary for safe and efficient operation.

One day, toward the end of summer 1962, Cal DeViney and two other divers were exploring the sunken hulk of the steamer Robert Frost. This vessel lies off the southern tip of the South Manitou Island in Lake Michigan. While these three were concentrating on their work task below, a voilent squall commenced on the surface. The divers, unaware of this development, stayed below until visibility began to deteriorate and a deep swell reached them. When Cal noticed the anchor chain to their boat above

begin to sag and jerk, he knew the time had come to leave.

Arriving at the surface, the men decided to delay the trip back to shore because of the risk involved. All agreed it would be better to wait out the storm on board another wreck, the Franscisco Morazan, stranded on a nearby reef. At the time none were aware that their stay might be of long duration. The hours spent aboard the "Morazan" stretched to two days while the squall turned into a near miss from a tornado.

During this emergency, a CB unit was the only link with shore. To conserve battery power, transmitter use was limited to short periods of use every two hours, a wise decision that paid off when on the second day the wreck started to shift. At that time the transmitter was still putting a good signal across the bay and there was comfort in the knowledge that others, in a position to help, were aware of what was happening. This direct communication was not only of vital importance to the stranded crew, but also the moral of those keeping watch on the mainland.

The storm finally abated and the trio was able to return to base, hungry, cold and ready for sleep. Quick thinking and good judgment had minimized much of the danger, but CB radio did much to keep panic down and spirits up.

While you are reading this, Marine Specialists are again prowling the lakes of Michigan above and below the surface. Everywhere these divers go, the indispensible tool CB radio goes too; everywhere that is, but underwater.

Our examples of CB Radio in action thus far have been stories of group participation. Stories involving several CB'ers, a CB club or CB participants from an entire area or region.

Needless to note, CB is a very personal thing with many of us. For every public service minded CB'er there are probably 10 who keep their radio to themselves and daily find better ways to put it into service between family and car or family and friends.

Take the story of Major John M. Barclay, Paris Island, South Carolina Exchange Officer. The Major and his family were expecting. Mother was in the hospital, which is off limits for any youngsters as far as the maternity ward is concerned. So after the toddler arrived and the anious youngsters (four in all) wanted to visit with Mother, Dad took a hand-held transceiver upstairs to the maternity ward and then grouped his brood downstairs in the parking lot with a second hand-held transceiver. The kids checked in with Mom and were soon convinced the hospital was doing alright with their favorite person. Oh yes, the youngest and newest member of the Barclay family also said hello to his older brothers and sisters.

Now there are cases, and many at that, where CB radio has made possible a number of new non-communications minded businesses. For example, an Oklahoma City detective firm has nearly tripled its work load and cut its survellance time in half by using CB radio, handhelds or mobile units, to keep tabs on suspects.

CB DETECTIVE SERVICE

Six hundred and twenty square miles is a lot of territory, especially when it's all in one city. But covering this area, with the aid of two-way radios, is the everyday

"Suspect leaving building, heading for vehicle . . ."

KEH0440 in Police Interceptor equipped with TR-327 and police frequency receiver.

job of Atkinson & Associates of Oklahoma City, the nation's largest city in area. H. H. "Duke" Atkinson is a private investigator. The various assignments of his clientele require constant contact between the three mobile units and the base station—which is usually manned by attractive Agent 188 (Mrs. Emily Atkinson). At the base, a plush office in the Atkinsons' modern home, the company's radio log is carefully maintained to provide a permanent record of the movement and radio traffic of all units. A typical excerpt from the detectives' radio log reads like this:

0800: Investigator #184 10-8 at HQ.

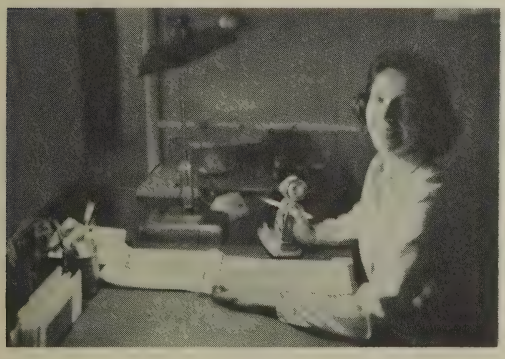
0820: Inv. #184 in unit-1 10-19 Edmond, Oklahoma on case 1107.

Inv. #185 10-6 on 1120 at Ct. Hse.

0850: Inv. #184 10-97 res. of subject u-1 10-7

0940: Interview completed — subject good witness. 10-8 and 10-19 Okla. City.

1015: R/C Inv. #186 in u-4, alert to locate Mr. Clark & 10-21 base.



Emily, Agent 188, logs detailed radio transmissions.

And so it goes . . . reading something like a police radio log. This is just a routine morning for "Duke" Atkinson, private investigator.

CRIME-DETECTION GOES TO THE DOGS

. . . AND CB Takes it there . . .

Joseph B. Pullen
Alexandria, Virginia

If you're CB'ing around metropolitan Washington, D.C. these days, you're likely to hear some queer transmissions from your set — like: "Mucho, come!," "Watch him, Mucho!." Don't change your crystal — you are merely tuned in on the latest approach to law-enforcement. The voice is that of Pvt. Eugene Yoakum (KCF1208) of the Alexandria, Virginia Police Department K-9 Corps. Mucho is a handsome four-old German Shepherd K-9 responding to Yoakum's remote orders — the first dog ever deliberately trained for such a function.

The whole project was CB-inspired. Yoakum, along with his supervisor, Cecil Kessler (KCF1667), and Pete Wingard (4W1270), a friend of both, hatched the idea while Mucho was undergoing the regular K-9 training course. It all began when they noticed that Mucho showed attentiveness to the radio dispatcher's voice between "classes." So they placed a walkie-talkie by his side and walked away to watch him. Since he obeys only the voice of his handler, he followed Yoakum's radio voice orders. They were off and running. Although they were told "It can't be done," these ardent CB'ers thought it could be done, and did it.

Pvt. Yoakum brought Mucho up to his present state of accomplishment by starting with a simple technique and readily—available equipment. His original method was "track-and-trail", involving two men in radio contact, only one of which could see the dog and report his actions. The equipment was a small walkie-talkie, operating on Channel 19 at 27.185 megacycles, attached to Mucho's harness. Progress has been made with both technique and equipment. Mucho now operates under compete remote control from Yoakum. Since the K-9 can't talk back, his equipment has been re-designed to carry

KCF1208 speaks softly, but Mucho is aware of everything he is saying. He follows orders implicitly, even though he may be hidden or several blocks away. Mucho is ready for action. His end of the walkie-talkie is being redesigned so he won't be hampered by unnecessary bulk. New equipment will include only a small receiver with antenna built into his harness.

only a receiver. Also, his original aluminum aerial was bulky and coudn't stand the the "whip" of Mucho's actions, so a more rugged and compact design is being incorporated.

Mucho understands the language — he is the only dog in the K-9 Corps who shows excitement when the dispatcher mentions "K-9" on the radio. He knows he is about to be tapped for duty.

At present, it is not a K-9 Corps requirement that Mucho spend his shift tuned in on the radio. Rather, he works as a normal K-9 on a leash. But this represents a highly successful experiment which has stirred fantastic interest in law-enforcement agencies at all levels. All invoved think this technique is only the beginning of a whole new area of police work.

And, so CB's public image is raised by another notch.

CB CALENDAR — continued from 8

Pasadena, California — West Coast CB Jamboree, June 16, Brookside Park, Pasadena. Sponsored by Citizens Emergency Mobile Patrol, Inc. Fun starts at 10 A.M. Bring your lunch, family and friends. Admission free. Exhibits open all day. Games, entertainment, dancing, guest stars from Hollywood. 5 transceivers as door prizes. Benefit donation $1.50. Contact CEMP, Inc., Box 924, Reseda, California.

Yankton, South Dakota — Sioux Empire (CB) Jamboree, sponsored by Sioux City, Iowa, Sioux Falls, S.D., Cherokee, Iowa and Smithland, Iowa CB clubs. Location is Lewis and Clark Lake, Yankton. Two days — June 22, 23. Camping, boating, sight seeing tours of dam. Entertainment and displays, free prizes. $2.00 per adult, $1.00 per child. Write Sioux Empire Jamboree, Box 1652, Sioux City 2, Iowa.

Zanesville, Ohio — June 23, 9 A.M. to late. Muskingum County Fairgrounds, sponsored by "Y" City Citizens Radio Association. KHG8448 listening on channels 9 and 11. $.25 registration for door prizes. Special entertainment, 5 watt unit to be given away. Trophy for largest mobile caravan.

Sedalia, Missouri — Sedalia Citizens Band Radio Club Jubilee, all day Sunday, June 30, Agricultural Building, Missouri State Fair Grounds. Tickets $1.00 each. $50.00 cash door prize, many smaller drawings throughout the day. CB QSL card exchange booth, snack bar, monitors on channels 7, 11, 14. Equipment displays. For additional details contact Jack Stevens, 17Q0346, Tipton, Missouri.

CB Horizons wishes to acknowledge with thanks material supplied by the following persons, in connection with this report on the state of CB today:

Bob Saas (KDB0090), Alma, Georgia; D. C. Wolcott (18A4803), Cedar Rapids, Iowa; Gary G. Landry (12W1282), Wichita Falls, Texas; Richard A. Bennett, Alliance, Ohio; Nelson C. Smith (10Q3134), Midland, Texas; Mark R. Nachman, Miami, Florida; Cliff Morris (KEJ3300), San Diego, California; George P. Roberts, Jr. (KFF0202) Bingen, Washington; Mel Welch (KDB-264), Decatur, Georgia; Vincent L. Cuker (19W9224), Mt. Clemens, Michigan; Joseph B. Pullen, Alexandria, Virginia; Alan Smith, Flint, Michigan and John P. Westmore, Oklahoma City, Oklahoma.

Other material solicited and submitted for this report, not used in this issue, will appear in subsequent issues of this publication.

"CB IN ACTION" THEME CREDITS

Pearce-Simpson, Inc., manufacturers of Citizens Band and marine communications radios, Miami, Florida, recently inaugurated a promotional campaign entitled "CB in Action." The theme of the campaign is actual real-life examples of instances where Citizens Band radio is being and has been utilized instrumentally in saving life, limbs or property.

Horizons Publications wishes to commend Mr. Len Haas, Sales Manager of Pearce-Simpson for his efforts in promoting CB Radio activities, through search and rescue operations. This approach to creating a better CB image for both the FCC and members of Congress is sure to win friends and influence people in the right places in these difficult times.

The "CB in Action" theme is a copywritten property of Pearce-Simpson, Inc., and Horizons Publications, Inc. gratefully acknowledges the permission of the copyright holder for the adaption of the theme to our special report appearing throughout this issue of CB Horizons.

The Publisher

$$ FINES FOR CB RADIO

Recent reports in CB Horizons have detailed a new-recently added FCC weapon which should strengthen the Commission's arsenal considerably.

The weapon is monetary in nature, and for this reason it should hit most of us where it hurts the most, in the pocketbook.

On January 30, the FCC wrote into law an amendment of Parts 0 and 1 of its rules and regulations to implement the new section 510 of the Communications act. Under the new and now in existance change, the FCC may now impose what they casually choose to call "small forfeitures" on errant CB'ers who do not heed their warnings. Under the new fine system, a CB'er may be tagged for fines up to and including $500 when he commits any of the following atrocities.

(A) Operation without a proper license

(B) Failure to identify his station at the time and manner as set forth in Part 19

(C) Transmission of a false call signal or distress signal

(D) Operation on an unauthorized frequency, or transmitting unauthorized communications

(E) Operation which interferes (willfully) with any distress call or distress communication

(F) Operation with power in excess of that authorized by Part 19 (i.e., over 5 watts)

(G) Rendering an unauthorized communications service

(H) Operating with an unauthorized type of emission (stay off of CW!)

(I) Operating with unauthorized transmitting equipment, and

(J) Failure to respond to official written communications from the Commission.

The FCC says they won't hit you with a monetary fine **unless** you fail to cooperate. In other words, answer your citations and cut out what ever it was you did that resulted in them warning you with a written notice.

And just in case you think the Commission is going to drag their heels before putting the monetary screws to you and fellow CB'ers, hear this.

On March 20th the Commission hit a Fort Lauderdale, Florida CB'er with a $300.00 fine because he, allegedly (A) had consistent and willful violations of section 19.61 (a) (unauthorized communications), (B) had consistent and willful violations of section 19.62 (improper identification) and (C) had consistent and willful violations of section 19.83 (false call sign).

The CB'er was told he had 30 days to respond to the forfeiture notice.

The $300 amount was arrived at when the FCC statistician added up three $100 fines, one for each of the alleged violation types.

For your own reference, there are three ways to respond to a notice of forfeiture.

(A) Payment of the fine

(B) A denial statement of the charges, with a request that the fine be concelled (this will probably necessitate a hearing)

(C) Request for a personal interview to state your position (this will probably be handled through the regional or local FCC office).

All such answers must be tendered within 30 days of the date the fine and violation notice was mailed by the FCC.

Good luck!

CB DEALER COLORING BOOK

A CB distributor is a fun animal. There is no other breed of 'cat' like him on this earth.

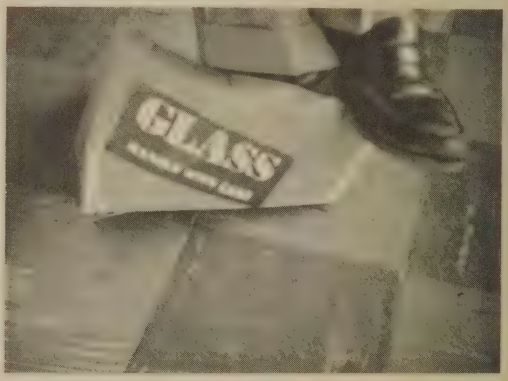
A CB mail-order distributor, such as Sandy Wirth's ECHO Communications, Cedarsburg, Wisconsin is an even rarer animal. All of ECHO's customers are out-of-town. This requires careful planning and shipping which is really a science all to itself.

Everything is handled by mail. This makes it fun to go to the post office everyday to count the orders and plan how the money will be spent.

Sometimes the mail goes astray. Especially the complaint letters. Sometimes they don't even arrive.

Or course doing everything by mail can be dangerous. Especially when you live far up north like ECHO Communications does. When the snow comes, the mail is sometimes slow. And then there isn't any money coming in. And the bank balance quickly dwindles to zero.

This is Sandy's chief mailer opener and sorter, looking for an order he accidently droped into the complaint file. COLOR HIM—MISSING IN ACTION.

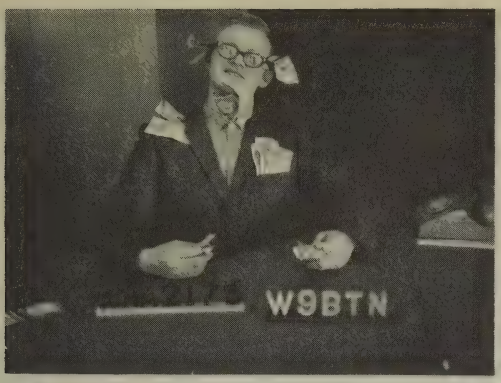


These are the feet (two) of Sandy's number one shipping clerk packing a rush shipment. COLOR HIS SHOES—NEEDING A SHINE.

Have you ever wondered how a CB distributor functions? Like, does he really test your radio before it is shipped? Are there really monkeys in the shipping department? Did he purposely scratch the front panel on YOUR radio just to get even when your check bounced? Well, CB Horizons has done a little wondering, and now we've done some research on the subject. We've picked Echo Communications, Cedarsburg, Wisconsin as our subject and this is our report on the super-secret inside workings of a nation-wide CB distributor.

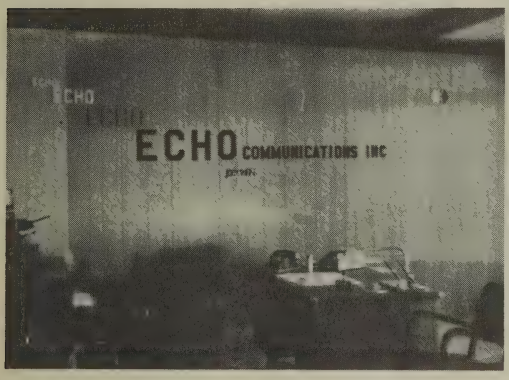
P.S. We are sure you will recognize that this is all in good fun. Our special thanks to Sandy Wirth and the gang at ECHO for allowing us to poke a little fun at CB distributors!

Ozzie

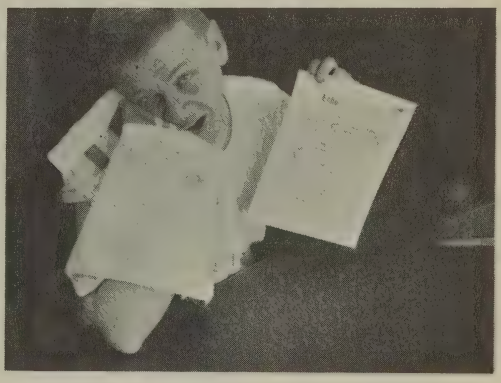


This is Sandy Wirth just back from the post office (never send money in the mail!). COLOR HIM—ON THE WAY TO LAS VEGAS.

This is Sandy Wirth taking a manufacturer's advice on what to do with radios that won't sell. COLOR HIM—BROMO SELTZER.



This is ECHO's office 30 seconds after Sandy has handed out the paychecks. COLOR IT—GONE TO THE BANK.



This is Sandy Wirth during the winter's longest blizzard. COLOR HIM—BROKE.

But in the summer, when everyone is buying new radios and the mail is fast, business is good. In the summer everyone races to the post office anxious to fill the latest orders.

And then there are the decisions. Which radios to handle. After all, not every radio sells as fast as others. But, a good distributor has a wide selection for his customers to choose from. From the big to the little, from the expensive to the inexpensive. That's because he wants to be everyones' distributor!

SAVE MONEY ON JOHNSONS

order yours from . . .

CLOUD "9"

Your Messenger Two or Viking will be DELIVERED TO YOUR DOOR PREPAID at the lowest price ANYWHERE.

Both 6V and 12V models in stock for SAME DAY SERVICE. We'll send prices to you Air Mail, if you write **AT ONCE - NOW - INSTANTLY.** You'll be glad you did!

— NO WAITING —

CLOUD "9" — Box 313, Azusa, Calif.

P. S. Special prices to dealers and C. B. Clubs

GIANT CB SALE!

☐ SUPER SPECIAL 3X LIMITER KIT (consists of high pass filter, low pass filter, line filter). (Reg. $7) ..... SALE	2.99
☐ PHILMORE 7-SECTION BASE LOADED INDOOR CB ANTENNA (Reg. $4.50) ..... SALE	1.99
☐ 12-POSITION CHANNEL SELECTOR (Reg. $10) ..... SALE	3.99
☐ TURNER 350C CERAMIC MICROPHONE (Reg. $9.98) ... SALE	6.99
☐ TURNER 254C MICROPHONE & STAND (Reg. $13.82) ..... SALE	10.99
☐ GROUND PLANE ANTENNA — Solid alum. radials. (Reg. $16) ..... SALE	6.99
☐ 15-PC CB SILENCER KIT (Noise-Suppression) (Reg. $10) .... SALE	4.99
☐ CB RADIO MOBILE HANDBOOK (Reg. $2.95) ..... SALE	1.49
☐ WALD W-10 CENTER LOADED CB MOBILE ANTENNA (Reg. $8) ..... SALE	3.99
☐ 9-TRANSISTOR "WALKIE-TALKIE" (Famous Make) (2 for $50) ..... SALE	27.99
☐ 10-TRANSISTOR "WALKIE-TALKIE" (TRIUMPH) Tuneable squelch latest model, comp. less batt. ..... SALE	29.95
☐ TUNEABLE GNS GENERATOR NOISE SUPPRESSOR (3 or more $1.49 each) ..... SALE	1.69
☐ COMMAND SUPER III — 3-ELEMENT CB BEAM (mounts horizontally or vertically) SALE	11.99
☐ James KNIGHTS CB CRYSTALS (golden line) (3 or more $1.89 ea.) (6 or more $1.79 ea.) (specify make, model, whether transmit or receive) ..... SALE	1.99
☐ KIT of 20 ASSORTED MOLDED CONDENSERS (Reg. $5) .. SALE	.99
☐ EB-10 Min. 9 VOLT STORAGE BATTERY & CHARGER .... SALE	1.99
☐ 20,000 O.P.V. MULTIMETER (+ leather case) (Reg. $20) ... SALE	9.99
☐ TRANSISTORIZED "S" METER (Famous Make) (Reg. $14) SALE	11.88
☐ HY-GAIN CLR COLINEAR ANTENNA (Reg. $30) SALE	24.99

Check items wanted. Return ad or order with check or money order. Include postage, excess refunded. 50c service charge on orders under $5.00. Beams and 102" whips shipped Railway Express, 50% deposit on COD's.

☐ CB DEALERS: Write for Quantity Prices!

GROVE ELECTRONIC SUPPLY CO.

4111 W. Belmont Ave., Chicago 41, Ill., Ph. 283-6160

☐ Rush items checked

☐ Send FREE catalog of GIANT CB Values

Name .....
(please print)

Address .....

City ..... Zone ..... State .....

ABOUT PHASING VERTICALS

Egads. We did it again. In the closing paragraph of our May issue report on Phasing Vertical Radiators for Additional Gain, we mentioned our thanks to the **Hy-Gain Antenna Products Company**, Lincoln, Nebraska for supplying the antennas for the project.

What we didn't mention was our debt of gratitude to Ken Simmons, amateur operator WØNTU, Customer Service Manager at Hy-Gain, for his help and understanding in leading us through the intricate math and formulas which led to the phasing report. Ken is the boy who knows all about phasing CLR's (or other vertical radiators) so drop him a line if you get into trouble!

OZZIE

ULTRA FLEXIBLE FOAM
COAXIAL CABLE
from Columbia

We believe **SUPERFLEX** Coax Cables are the finest available today — not only because of their appearance and flexibility but because they actually outperform any similar type of coaxial cable in use today. Ideal for Citizen's Band, Amateur use and Master television systems. Standard stockcolors are: **BLACK — WHITE — SILVER or BEIGE.** Cables can be furnished in a wide range of attractive high gloss colors to special order. Minimum order for other than stock colors — 5,000 ft. of a color.

PLEASE STATE COLOR CHOICE
Available in RG59/U, RG8/U and RG58A/U

Columbia
WIRE & SUPPLY CO.
2850 IRVING PARK ROAD
CHICAGO 18, ILLINOIS

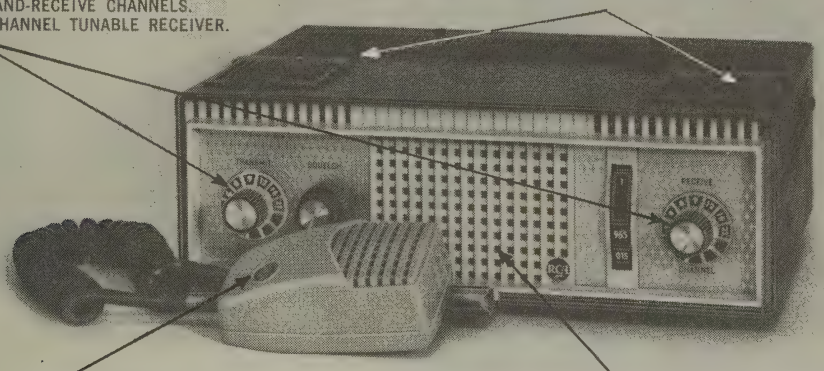
FEATURE FOR FEATURE — DOLLAR FOR DOLLAR
YOUR BEST BUY IN CB RADIO

THE NEW RCA
MARK VIII

27-Mc CITIZENS BAND 2-WAY RADIOPHONE

UP TO 9 FIXED, CRYSTAL-CONTROLLED TRANSMIT-AND-RECEIVE CHANNELS. PLUS ALL-CHANNEL TUNABLE RECEIVER.

CONVENIENT ACCESS TO CRYSTALS FOR QUICK CHANGING.



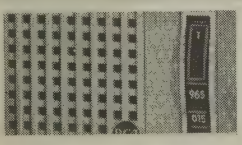
PUSH-TO-TALK CERAMIC MICROPHONE with coiled cord.

EXCELLENT VOICE REPRODUCTION—high intelligibility.

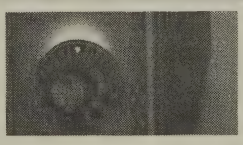
EXCELLENT TRANSMITTER MODULATION CHARACTERISTICS

IMPROVED AUTOMATIC NOISE LIMITER reduces effects of ignition and similar interference.

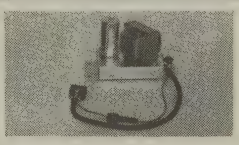
COMPACT AND LIGHTWEIGHT 3½" high, 9 pounds. Fits easily under any auto dashboard.



Continuously tunable receiver picks up any of the 23 C-B channels. Tunes either by channel number or frequency.



Illuminated working channel. Pilot lamps behind the fixed-channel dials show the channels being worked.



Separate mobile power supply. (Optional) 6- or 12-volt, for car or boat. All units contain AC power supply.

Channel-marker kit. Select channels best for your area, then mark them with the self-adhering labels included.

ONLY $149.50*

*OPTIONAL LIST PRICE

Get all the Facts Before You Buy.
Mail Coupon Today. Paste on 4¢ Post-Card.

RCA ELECTRON TUBE DIVISION
Commercial Engineering Dept. F-131-RR
415 South Fifth Street, Harrison, N. J.

Please send more information on the RCA Mark VIII C-B Radiophone

Name_____

Address_____

City_____ **Zone**____ **State**_____

RCA® **The Most Trusted Name in Electronics**

AMERICAN CITIZENS BAND ASSOCIATION

WS . . . NEWS . . . NEWS . . . NEWS . . . NEWS . . . NEWS . .

ERNEST L. WALKER TO TRAVEL COUNTRY

The Friendship Station, ex-15W1670, Ernest L. Walker of Espanola, New Mexico will be on the move this summer traveling throughout the United States to meet with CB club presidents, speak at CB meetings and rallies, and spread the word about what the ACBA is, and what it hopes to achieve.

Walker, one of the organizers of the ACBA, has been named to the post of **Acting General Secretary** for the Association. This position will put him in direct contact with CB'ers and CB clubs across the country.

Walker plans to begin his series of trips about the United States in mid-May. In a special mailing to CB clubs in April, the ACBA announced that in as much as there were more than 1,400 CB clubs on the master list at CB Horizons, it would be an impossibility for Walker to visit more than a fraction of these groups with the ACBA story this summer. CB clubs, the mailing went on, which have 75% or more of their membership signed up as ACBA members by the time Walker's travel plans are completed early in June, will have the first opportunity to hear him address their group.

Clubs are urged to contact the **ACBA Coordination Office at P.O. Box 405, Oklahoma City 1, Oklahoma** immediately if they have not received the April mailing which detailed Walker's travel plans, and provided ACBA membership application forms.

Clubs are also urged to set up special joint meetings with other regional clubs in their territory, so that Walker's message can be heard by as many as possible each night he appears. All coordination of his travels will be handled by the Oklahoma City office.

CB HORIZONS DONATES TO ACBA

Although there is no official connection between CB Horizons and the ACBA, the continued support of this publication for the ACBA group has proven vital in the group's progress to date.

Early in April, this writer, Paul W. Thacker, advised the other steering committee members that I have worked out the details of a plan proposed by CB Horizons whereby CBH will **donate** $1.00 from each subscription received for the publication to the ACBA. This, in effect, makes the $5.00 subscription rate a $4.00 subscription rate, with the fifth dollar going to the ACBA treasury. **(Editor's Note:** A combination form for this membership and subscription is found opposite page 13, this issue.)

ACBA ELECTIONS

Plans have now been completed whereby when the ACBA reaches 10,000 Charter members, the organization will call for general nationwide elections through CB Horizons. The elections will be preceded by a nomination period during which time any Charter Member may announce his candidacy for the Board of Directors. 20 members to the Board will be elected, one from each of the 20 primary CB Call-Districts. (Note: For Board of Directors purposes, the 24th district is grouped with the 4th; the 22nd district is grouped with the 7th; the 21st district is grouped with the 11th and the 23rd district is grouped with the 14th.)

Full particulars on how a Charter Member is to be nominated for election to Board of Directors will be printed here in the July CB Horizons.

Until the elections, the Membership Drive and organizational aspects of the ACBA are being directed by a 13-man (and

HERE'S HOW POPULAR ELECTRONICS SCORES THE HAMMARLUND CB-23

BOX SCORE	Excellent	Good	Fair	Poor
Talk Power	✓			
Selectivity	✓			
Sensitivity	✓			
Squelch	✓			
Noise Limiting	✓			
Stability	✓			
Operating Ease	✓✓			

We tried, but the Popular Electronics editors said it so much better:

"Here's a CB transceiver that deserves the accolade: 'something new under the sun'."

"With no extra crystals to buy (and possibly misplace) the CB-23 puts the CB'er about as far up the ladder of 'operating convenience' as he can expect to go."

"The double conversion receiver section is so sharp that it has a vernier tuning adjustment on the front panel for zeroing in the other station on receive."

"IN BRIEF—A TRULY PROFESSIONAL CB RECEIVER—BUILT TO LAST"

Remember, the one low price of $229.50 buys a complete, ready-to-go unit which includes all crystals, S-Meter, squelch and cables for both 117v. AC and 12v. DC operation. All you need is the antenna and you're on the air!

See for yourself—send today for a reprint of Popular Electronics' Equipment Report, together with descriptive literature on this outstanding unit.

AMATEUR RADIO EQUIPMENT
COMMERICAL COMMUNICATIONS EQUIPMENT
OUTERCOM 2-WAY RADIO
VARIABLE AIR CAPACITORS
SUPERVISORY REMOTE CONTROL SYSTEMS

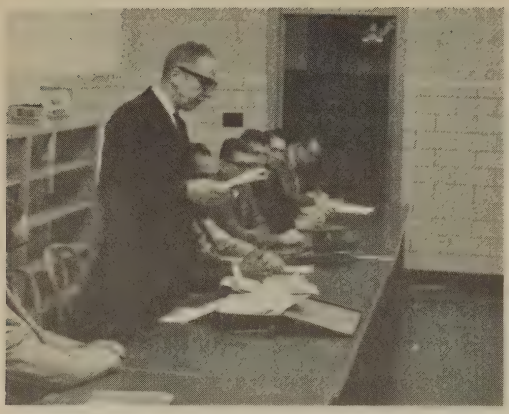
HAMMARLUND Manufacturing Company
A Giannini Scientific Company
53 West 23rd Street, N. Y. 10, N. Y.

Please rush Popular Electronics' CB-23 Equipment Report and descriptive literature to:

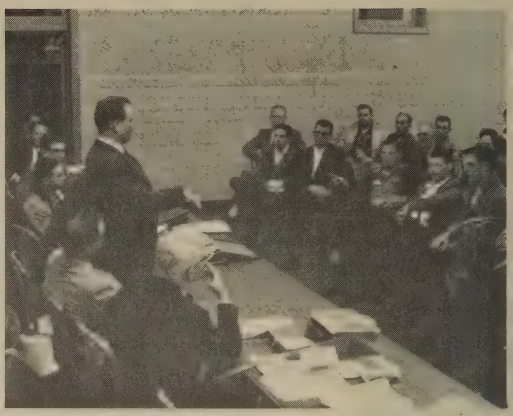
NAME_____

ADDRESS_____

_____



Paul W. Thacker, 19W4747, Kenova, West Virginia, President of the ACBA Steering Committee, reports to the CB'ers gathered (from 11 states) at the Kingsport meeting on the progress the ACBA had made to date.



Charles Messenger, Vice President of General Radiotelephone Company, Burbank, California addresses the April 10th ACBA Kingsport, Tennessee organizational meeting on the meaning of Freedom of Speech.

one woman) Steering Committee made up of CB'ers from seven eastern states.

As soon as the elections have been held, a Board of Directors meeting will convene at a central location to officially adopt a constitution for the group.

The Steering Committee advises that Board Members will serve on one or more sub-committees within the frame work of the Association, to provide permanent study and work groups in seven areas of interest running from CB lobbying and FCC liason to a nationwide Emergency Communications program.

The Steering Committee hopes to have a full report on the recommendations in this area available for next month's CB Horizons.

The key to the entire program is the Charter Membership program now underway. 10,000 Charter Members are required to bring about a general election. All CB'ers, regardless of whether they belong to CB clubs or not, are urged to start their own membership drives today if they have not already done so.

A complete Membership drive packet, including membership forms and a brief description of the ACBA, is available to anyone at Post Office Box 405, Oklahoma City 1, Oklahoma. A stamped, self-addressed legal size envelope is requested to help defray the costs of the program, in returning the Membership packet to you.

PROCEEDS OF CB LOGBOOK TO GO TO ACBA

Early recipients of the Citizens Band Logbook & DXing Guide from CB Horizons have noticed that the book is listed as a publication of the ACBA.

As this Logbook was going to press, CB Horizons Publisher Bob Cooper offered to donate the proceeds of the sale of this publication to the ACBA as a further aid to helping out the ACBA membership fund drive.

A quick last minute change placed the ACBA insignia on the cover of the logbook, as many have noted.

For this reason, and also because it is a very worthwhile publication for any serious CB enthusiast, readers are urged to purchase this Logbook to help out the ACBA membership kitty. (**Editor's Note:** An order form for the Logbook can be found opposite page 13, this issue.)

ABOUT DECALS AND WHAT HAVE YOU

A number of ACBA members have written to inquire as to the status of obtaining ACBA membership decals for their mobiles.

We want to emphasize that the ACBA Steering Committee is very anxious to provide as many membership benefits as possible **when** the membership itself has taken over the reins of control. Most feel that until such time as the elected Board of Directors has had an opportunity to review all phases of the ACBA program, decals and other insignias should be held off.

However, all ACBA Charter Members are urged to include the ACBA insignia (see your membership card) on your CB QSL cards and letterheads.

ACBA affiliated clubs are also urged to

include the ACBA insignia on the masthead of their club papers. This will be detailed in a bulletin to affiliated clubs.

2ND ACBA ORGANIZATIONAL MEETING.

The second ACBA organizational meeting in 30 days convened in Kingsport, Tennessee April 10th and lasted through April 13th. Special guests of the Steering Committee were Vice President of General Radiotelephone Company, Charles Messenger, President of the Communication Equipment Manufacturers Association (CEMA) John Artesani and CB Horizons Publisher Bob Cooper. The trio addressed the gathered throng Wednesday evening, April 10th.

CEMA President Artesani pledged CEMA support for the ACBA, and noted that he was personally going to ask that an amended CEMA filing in Docket 14843 be presented to the FCC. A lively discussion between ACBA supporters present followed.

A full report on the mid-April meeting will appear here next month.

ABOUT A MANUFACTURER'S LIASON GROUP

Plans are afoot to have a representative for the ACBA meet with interested CB manufacturers during the May 20-22 Chicago Electronics Parts Show.

The ACBA representative, who will be authorized to talk with the manufacturers concerning possible Associated Membership, will be located in the **Horizons Publications Display Suite**, Number 604, on the sixth floor of the Conrad Hilton during the Parts Show.

No definite guidelines have yet been established for manufacturer participation in ACBA, although all feel that the manufacturers should be a part of the group.

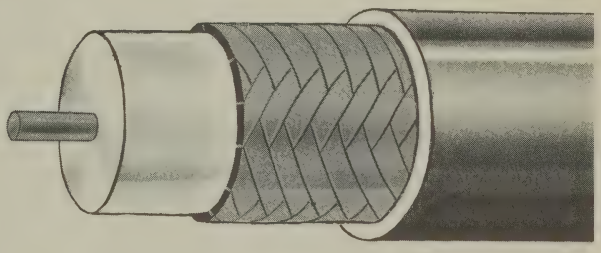
One New Hampshire manufacturer and another in California have been extremely helpful to the group in its formulative stages, and because of the efforts of these two supporters, the ACBA Steering Committee is looking with favor on a close tie-in through an Associate Membership program for all qualified manufacturers

Paul W. Thacker, 19W4747
President, ACBA Steering Committee

SPECIAL DISCOUNTS TO CITIZENS BAND DISTRIBUTORS

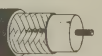
RG/8U

RG/8U Foam Lo-Loss, RG/58U and RG/58U Foam Lo-Loss for CITIZENS BAND

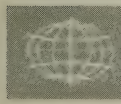


Ordinarily, coaxial cables are sold in large quantities — primarily to large distributors who may require many thousands of feet per month. Naturally, large quantity shipments are priced at substantial discounts to the distributor. NOW . . . International Wire & Cable Company is offering unusually large distributor discounts to Citizens Band firms placing a minimum order for 1000 feet of cable. We are making this offer because of the exceptional growth of CB . . . and the corresponding need for top quality "coax" by the nation's progressive CB distributors. Write to us today on your company letterhead and we'll rush a price list and catalog to your attention.

SEE US DURING THE MAY PARTS SHOW . . .



Please visit our showroom and Hospitality Suite during the May Parts Show, (May 20-22) at the Sheraton-Blackstone, Suite 519-20.



THE INTERNATIONAL WIRE & CABLE CO.
1663 N. MILWAUKEE AVE. — CHICAGO, ILL.

THE CB LISTENER

Awards and Certificates for CB DX

MISSILES FROM AFAR

Many CB'ers are going to be receiving heard CBL cards soon if our mail is any indication of the interest now being generated in the CB Horizons DXing Awards Program.

Ronald J. Black, Jamaica, West Indies, writes "From time to time I get freak transmissions and a blanket of interference from CB stations located for the most part in the southern United States. When these conditions exist it is sometimes impossible to talk to my mobile unit only six miles away.

In among all of the signals it is possible to pick out a few really clear signals. Mostly, these come from stations with the KEG and KEF prefixes. These conditions may vary from one minute to a few hours and last summer there was a period of three weeks when it was impossible to work my mobile unit six miles away.

I have written down the numbers of stations heard and I think that they have heard me, but I do not want to embarrass them so I have not written to them. However, I would like to write to some of these people personally. Do you think it would be OK?"

We told Ronald Black that CB'ers here would be delighted to receive a heard report from the West Indies, and we sent him along a Call-Book (1963 issue) to look up calls with.

We offered our assistance to him in making up CBL cards and acting as his bureau to disperse CBL cards to stations he has heard, if he will provide **The CB Listener** with a log sheet of stations, times, etc. he has heard. We look forward to hearing from you again Ronald.

R. David Sperling, KCDO256, Wrightstown, N. J. writes"On Saturday the 9th of March I heard the call letters YY51640 out of Venezuela. If possible, could you have your South American editor Pedro Seidemann help me locate this fellow as I would like his CBL card."

The report has been forwarded to Pedro, who lives in Caracas, and starting in the August issue, Pedro promises to contribute a list of call signs heard in Venezuela by CB'ers there, of U.S. and Canadian CB operators. This should be very exciting indeed to read that you have been heard in South America!

Jack M. Pugh, 22Q0035, Bayamon, Puerto Rico writes "We were very pleased to read and learn of your CB DXing Awards Program. As you know, Puerto Rico is far south and east of the United States. It could well be impossible for us to copy the signals of some of the northwestern states, or the signals from the states of Alaska and Hawaii. Therefore, would it be possible to have a special set of rules for us 22nd area CB DXers so that we wouldn't feel it impossible to get an award?"

Well Jack, you have a good question and it deserves a good answer. True, at this point of the sun spot cycle, when DX conditions are poor, it is going to be tough to hear some of the far states. However, by the same token, it is going to be tough for a CB'er in Alaska to hear 3 continents, or a CB'er in Utah to hear a CB'er in Neveda, or Colorado. It all boils down to a real challenge. You and other Puerto Rican CB'ers have a much better opportunity to hear five countries (on the other hand) than do CB'ers on the mainland. Think of all of the South American and Caribbean area countries you can hear daily! Here's an award

What Does F.C.C. Mean To You?

What is the F. C. C.?

F. C. C. stands for Federal Communications Commission. This is an agency of the Federal Government, created by Congress to regulate all wire and radio communication and radio and television broadcasting in the United States.

What is an F. C. C. Operator License?

The F. C. C. requires that only qualified persons be allowed to install, maintain, and operate electronic communications equipment, including radio and television broadcast transmitters. To determine who is qualified to take on such responsibility, the F. C. C. gives technical examinations. Operator licenses are awarded to those who pass these examinations. There are different types and classes of operator licenses, based on the type and difficulty of the examination passed.

What are the Different Types of Operator Licenses?

The F. C. C. grants three different types (or groups) of operator licenses – commercial radiotelePHONE, commercial radioteleGRAPH, and amateur.

COMMERCIAL RADIOTELE*PHONE* operator licenses are those required of technicians and engineers responsible for the proper operation of electronic equipment involved in the transmission of voice, music, or pictures. For example, a person who installs or maintains two-way mobile radio systems or radio and television broadcast equipment must hold a radiotelePHONE license. (A knowledge of Morse code is NOT required to obtain such a license.)

COMMERCIAL RADIOTELE*GRAPH* operator licenses are those required of the operators and maintenance men working with communications equipment which involves the use of Morse code. For example, a radio operator on board a merchant ship must hold a radioteleGRAPH license. (The ability to send and receive Morse is required to obtain such a license.)

AMATEUR operator licenses are those required of radio "hams"–people who are radio hobbyists and experimenters. (A knowledge of Morse code is necessary to be a "ham".)

What are the Different Classes of RadiotelePHONE Licenses?

Each type (or group) of licenses is divided into different *classes*. There are *three* classes of radiotelephone licenses, as follows:

(1) Third Class Radiotelephone License. No previous license or on-the-job experience is required to qualify for the examination for this license. The examination consists of F. C. C. Elements I and II covering radio laws, F. C. C. regulations, and basic operating practices.

(2) Second Class Radiotelephone License. No on-the-job experience is required for this examination. However, the applicant must have already passed examination Elements I and II. The *second class* radiotelephone examination consists of F. C. C. Element III. It is mostly technical and covers basic radiotelephone theory (including electrical calculations), vacuum tubes, transistors, amplifiers, oscillators, power supplies, amplitude modulation, frequency modulation, measuring instruments, transmitters, receivers, antennas and transmission lines, etc.

(3) First Class Radiotelephone License. No on-the-job experience is required to qualify for this examination. However, the applicant must have already passed examination Elements I, II, and III. (If the applicant wishes, he may take all four elements at the same sitting, but this is not the general practice.) The *first class* radiotelephone examination consists of F. C. C. Element IV. It is mostly technical covering advanced radiotelephone theory and basic television theory. This examination covers generally the same subject matter as the second class examination, but the questions are more difficult and involve more mathematics.

Which License Qualifies for Which Jobs?

The THIRD CLASS radiotelephone license is of value primarily in that it qualifies you to take the second class examination. The scope of authority covered by a third class license is extremely limited.

The SECOND CLASS radiotelephone license qualifies you to install, maintain, and operate most all radiotelephone equipment except commercial broadcast station equipment.

The FIRST CLASS radiotelephone license qualifies you to install, maintain, and operate every type of radiotelephone equipment (except amateur, of course) including all radio and television stations in the United States, and in its Territories and Possessions. This is the highest class of radiotelephone license available.

How Long Does it Take to Prepare for F. C. C. Exams?

The time required to prepare for F. C. C. examinations naturally varies with the individual, depending on his background and aptitude. Grantham training prepares the student to pass F. C. C. exams in a minimum of time.

In the Grantham *correspondence course*, the average beginner should prepare for his *second class* radiotelephone license after from 300 to 350 hours of study. This same student should then prepare for his *first class* license in approximately 75 additional hours of study.

Grantham offers exactly the same course in resident (classroom) training in four major cities in the United States. This is one of the +'s of the Grantham training program. Home study students may, for any reason, transfer to classroom training simply by paying the balance of their home study tuition; they may then apply this entire amount to the resident class of their choice.

In the Grantham resident course, you prepare for your first class F. C. C. license in 8 weeks, 12 weeks, 20 weeks, or 30 weeks, depending on which class schedule you select.

What is the Grantham Approach?

In electronics the same basic principles apply regardless of one's specialization within the field. But, in teaching electronics, relating these basic principles to a specific application gives the subject a frame of reference and makes it easier for the student to learn. To have you memorize Ohm's or Kirchhoff's laws, for example, without relating them to specific applications would be like learning a language phonetically without being able to understand or speak it. The Grantham course, therefore, teaches you basic electronics as it relates to the field of communications.

Why Choose Grantham Training?

In the short time necessary to complete the course, you will acquire a knowledge of electronics – of the laws and theories of electronics, and their applications to the operation of practical equipment. These "basics" are presented in a logical, step-by-step manner, with the necessary math integrated into the course, from the viewpoint that you have no prior knowledge of the subject. In fact, everything in the course is presented from this viewpoint – nothing is taken for granted where your education is concerned. Thus, as a Grantham graduate, you are prepared to begin working at the technical level in any phase of electronics.

Should You Memorize or Understand?

If you believe that electronics can be learned through memorizing by rote, our course is not for you. But, if you want to be able to *think* and *reason* electronics, we believe no other home study school offers so much knowledge and service in relation to time and money expended as Grantham does.

Is Grantham Training Accredited?

Grantham School of Electronics is accredited by the Accrediting Commission of the National Home Study Council. The Accrediting Commission has been approved by the U.S. Office of Education as a "nationally recognized accrediting agency" under the terms of Public Laws 82-550 and 85-864.

Two "Door-Openers" to Employment

(1) First Class Commercial F. C. C. License: The Grantham course prepares you to pass the examination for this license, which is actually a "diploma" issued by the U.S. Government to certify qualified electronics technicians. It assures a prospective electronics employer that you are a man with the necessary knowledge to "build" with his company.

(2) Pre-Employment Exams Given By Industry: You are qualified to make an excellent showing on the exams which many industrial electronics firms require of a potential employee.

For further details concerning F.C.C. licenses and our training, send for our FREE booklet, "Careers in Electronics". Clip the coupon below and mail it to the School.

Get your First Class Commercial F.C.C. License Quickly by training at

GRANTHAM SCHOOL OF ELECTRONICS

1505 N. Western Ave.	408 Marion Street	3123 Gillham Road	821-19th Street, N.W.
Los Angeles 27, Calif.	Seattle 4, Wash.	Kansas City 9, Mo.	Washington 6, D.C.
(Phone: HO 7-7727)	(Phone: MA 2-7227)	(Phone: JE 1-6320)	(Phone: ST 3-3614)

MAIL COUPON NOW – NO SALESMAN WILL CALL →

(Mail in envelope or paste on postal card)

To: **GRANTHAM SCHOOL OF ELECTRONICS**
NATIONAL HEADQUARTERS OFFICE
1505 N. Western Ave., Hollywood 27, Calif.

Gentlemen:

Please send me your free booklet telling how I can get my commercial F.C.C. license quickly. I understand there is no obligation and no salesman will call.

Name _____ Age _____

Address _____

City _____ State _____

I am interested in: **30 E**

☐ Home Study, ☐ Resident Classes

(HIFC) that should be duck soup for you.

The awards weren't intended to be easy. They were intended to require a great deal of patience and skill to earn these awards, and then when you have earned one, you can really be proud of the accomplishments!

ACBA TO MAKE AWARDS

The illustration with this column, showing the HIAS (or Heard in all States) award is intended to show one and all how handsome the awards will be from the award's program.

The American Citizens Band Association has appointed a special Awards Committee on its Steering Committee (see ACBA Report, this issue) to study the awards structure set up by CB Horizons, and to make the actual awards. This ties in with the fact that CB Horizons is donating the proceeds of the sale for the CB DXing Logbook to the ACBA.

This column will continue to be run by CB Horizons, the awards presentations will be handled by the ACBA.

ATTENTION CB CLUBS

The ACBA is anxious to have affiliated clubs (i.e., those with 75% or more club members also members of the ACBA) set up their own awards program.

Here is how the Awards Committee is suggesting things work.

A CB Club would establish a certificate to be granted to any CB'er 50 or more miles away (fixed location) who collects cards from 5 (or 10, etc.) or more members of the local club.

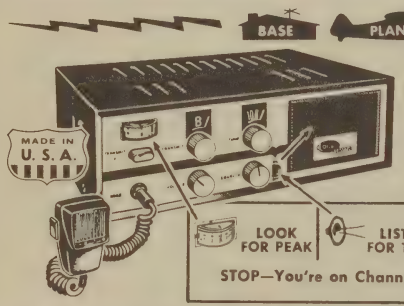
The CB'er working for the award would notify the club's secretary that he is working towards the award, and this would be announced at the club's meeting so that all club members could be made aware of the effort. The club would supply the award seeker with a mimeo copy of the club members who are bonafide members, and a waiver under section 605 (see last month's column) signed by the club president, on behalf of his members.

The club would probably also send along

BASE PLANE AUTO BOAT

PERFECT 22 CHANNEL TUNING!

Olson CB Audio-Visual SPOTTER TRANSCEIVER



No. RA-530
$119.95
$7 MONTHLY
No Money Down

★ Tunable Receiver with XTAL Spotter
★ Dual Conversion Superhet
★ 12 Channel XTAL Transmit
★ With SHURE Mike
★ For 110 Volts AC, 6-12 Volts DC

TRANSMIT CB CRYSTALS
No. CB-1
$1.99 3 for $5.55 12 for $21.50
SPECIFY CHANNELS 1 THRU 22
• 3rd Overtone • ½" Mtg. Ctrs.

SPOTTER gives AUDIO and VISUAL signal when receiver is tuned to transmitter frequency. Ideal for mobile rigs, where the meter might not be easily viewed. 19 tube performance. Variable squelch. Built-in positive action "S" meter. 1 XTAL front panel mtg. Dual series gated noise limiter. 5 Watts input with 100% modulation. Output: 3 Watts or more. Illuminated dial. With channel 9 crystal. Size: 4½" H x 12½" W x 7" D. Shpg. Wt. 14 lbs.

ACCESSORIES
6 or 12 VOLT DC CABLE, No. W-430 ..... $2.95
MOBILE MOUNTING BRACKET, No. HW-46 ..... $2.95

LIMITED FRANCHISE DEALERSHIPS AVAILABLE

☐ Send me the RA-530 CB Transceiver @ $119.95
☐ Send me the W-430 DC Cable @ $2.95
☐ Send me the HW-46 Mtg. Bracket @ $2.95
☐ Send me CB Crystals for Channel(s)_____
☐ CASH
☐ C.O.D. ($2 Deposit)
☐ EASY PAYMENT
☐ SEND ME FREE OLSON CATALOGS

MAIL YOUR ORDER TO
Olson OLSON ELECTRONICS, INC.
381 S. Forge St., Akron 8, Ohio

NAME_____
ADDRESS_____
CITY_____ZONE_____STATE_____

a copy of their club paper and an invitation to "drop in when in town", making up a nice packet about their club and town.

The idea is to promote better liason between far-flung clubs, and good will for their respective areas. The Steering Committee feels that the friendships built up through this type of **"CB by mail"** program will pay off handsomely in dividends for the individual clubs concerned.

The CB Listener will be happy to list in this column the name and address of your club when it establishes an awards program. We would like to have a sample copy of your awards certificate to print with your notice of awards available.

If this catches on sufficently, we will put out a directory to awards available and bind it into the **CB DXing Log Book** available through Horizons from the ACBA.

OK . . where's the first club to register under this program? Remember, you need that ABCA affiliation to really qualify.

DX FORECAST

Now that we are into May, good summertime short-skip DX conditions are really here. Almost daily short-skip openings, increasing in magnitude and frequency as the month progresses, should be a delight to CB DX listeners from border to border.

The early morning hours (7 AM to 9 AM), around noon local time, and the from 4 PM to 9 PM should be the best hours to listen for DX. We won't issue any specific forecasts this month because of the general DX conditions that will exist.

The CB Listener

◆ **PRECISION CB CRYSTALS** ◆

MANUFACTURED TO WITHSTAND EXTREME CONDITIONS AS REQUIRED WITH CB EQUIPT.

PRECISION CRYSTALS AT NO EXTRA CHARGE!

- Extremely accurate tolerances meet or exceed .005% FCC requirements.
- Over 20 years of commercial and military experience packed in each crystal.
- One Year Factory Warranty.
- Special discount to recognized clubs when order exceeds 25 pieces.

$1.95 each (for Fla. add 3%)

(add 10c per crystal for postage and handling — add 5c per crystal for .093 pins when required.)
All CB orders should include make and model of equipment and whether for transmit or receive. Send M.O., Check or Cash with order. Sorry, No C.O.D.'s Accepted.

SUN CRYSTAL CO.
P.O. BOX 301 NO. MIAMI 61, FLA.

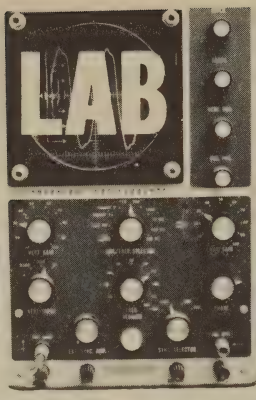
They compare all CB radios to the new **VOCALINE TRANSISTOR ED-276**

MORE FEATURES—MORE RELIABILITY—MORE RANGE—MORE RUGGED—MORE OF EVERYTHING YOU WANT IN A CB TRANSCEIVER!

- 6 channels—6th crystal position on front panel.
- Receiver fixed/tune switch.
- Exclusive receiver fine tuning.
- Single squelch and sensitivity control
- Relative field strength, RF power and frequency spotting panel meter.
- 23 channel tuning.
- 3-stage AGC completely eliminates blasting and fading.
- Transistorized power supply—low power drain.
- Transistorized double conversion superheterodyne receiver with no adjacent channel interference.
- Transmitter provides 3 full watts output with 100% modulation.

Write for complete details

VOCALINE COMPANY OF AMERICA, INC.
80 Coulter St.,
Old Saybrook, Conn.



REPORTS

OF PRODUCTS TESTED BY OUR ENGINEERS

THE GENERAL RADIOTELEPHONE VS-2

In the CB world of late, it has consistently taken a fancier and fancier radio with more and more features to capture the fancy of the CB market.

It was with a note of surprise, then, that we previewed the General Radiotelephone VS-2 transceiver in the Burbank plant last September.

In our December trip to the coast we saw that the unit had progressed to the "drop-on-the-floor stage*" and were told that it would be on the counters very soon. Sure enough, late in December it was.

The VS-2 transceiver can hardly be described as revolutionary, as far as its outward features go. This is a five channel crystal controlled transceiver. **Period.**

No S meter, no crystal spotting, no tunable, no etc., etc., etc.

It **is** unusual, however, when you consider its physical size (most small at 4.5 inches high, 6.5 inches wide and 9 inches deep), and its very obvious effort to be very, very rugged. The folks at General say that VS stands for **Vibration Service.** That is, applications where extremes of shock and pressure would normally play havoc with a two-way radio.

We were given a completely free hand to run this unit through the paces, including dropping it, kicking it, beating it with our fists and generally trying to make it not work. We did all of this.

After the initial lab tests where we checked for power input (4.95 watts), power output (3.0 watts), modulation (all of 100 percent), receiver sensitivity (1/10 uV provided 6 db signal to noise ratio in the lab), noise handling ability (up to 30 db of noise clipping and elemination, dependent upon the types of noise spikes encountered), and stability (transmitter drift with cold filaments, 800 cycles in 60 seconds; transmitter drift after 10 minutes warm up, 20 cycles in five minutes, both on channel 5), **we set out to destroy the radio.**

Into a pick-up truck owned by one of the Horizons gang it went. And then it went into service for 45 days as the pick-up put on 945 miles over dusty, rough, wash board

Oklahoma roads. During its 45 day service period the VS-2 provided consistent base to mobile contact over gentle rolling terrain out to 14 miles. The noise elimination in actual operation surprised us for it is frankly better than General's MC-5 noise elimination circuit. The audio coming from the speaker sounds very crisp, and a little hollow. This is a side affect of a double (twin) noise clipping circuit in the VS-2. But even weak signals that barely broke the squelch were solid copy, even with the V8 engine running.

***A standard test at Horizons!**

The radio is heavy (11 pounds) for its size, a result of its rugged design. The power supply is transistorized (no vibrators) and contains a unique feature which makes it virtually impossible to burn it up. If a short develops anywhere in the set and a heavy load is put on the power supply, the power supply simply stops working. Nothing burns up, it just quits until you remove the short.

No relays are used in the T-R switching. The receiver is AVC blocked during transmit through pick up of RF energy radiated in the cabinet. This is one less component to give up under dusty conditions. All switching, then, is done in the moisture proof carbon microphone. The carbon element also adds to the set's usefulness in rugged conditions where dynamic elements might give up the ship.

Price on the VS-2 is low. $139.95. The address of the manufacturer is 3501 West Burbank Blvd., Burbank, California.

Out of the truck, we ran the VS-2 through its paces in the Lab again. The input had crawled up to 5.5 watts (which we quickly dropped back down), the output had gone up a slight amount too. The warm up drift had increased some at the 90 cycles in 5 minutes, but this was still not noticeable on the receive end.

Everything else checked out although we had managed to coat the inside of the VS-2 with a quarter inch of dust during its road tests.

During the course of the road tests the radio never left the truck. At one point we hit a magnificent bump (sometimes known as a ditch) that all but knocked the cab from the truck. Sure enough the radio quit working on channel 11 receive, where we were in communication.

The operator had instructions to shut down promptly if anything quit working, which he did. Eight hours later, at the lab, the channel 11 receiver position worked, and we never did find what the trouble was!

VOCALINE ED-276 TRANSCEIVER

There was a time in CB and other electronic circles when the words "transistorized" and "circuit board" indicated something less than ideal construction practice.

CB FOR SOUTHERN CAL

General, Gonset, Kaar, Antenna Specialists, Hy-Gain, Master Mobile Service and installation work. Tuesday thru Saturdays, 10-6. 11W4171 stands by on channel 6.

Citizens Communication Center
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Direct to dealers and industrial accounts. We handle every known major brand of CB radio, antenna and accessory. We do service and installation work for Los Angeles area CB'ers. Open 8:30 to 5 P.M. six days per week. 11W7159 on channel 1.

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10W3541 on channels 9, 11

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Crystals are manufactured to meet all FCC requirements....005% tolerance. Hermetically sealed HC-6/U holders, ½" pin spacing. .050 or .093 pins. Now only $2.95 ea.

MATCHED TRANSMITTER & RECEIVER CRYSTALS for all Citizen Band units. Specify equipment make and model. Only $5.90 per set.

RADIO CONTROL CRYSTALS

2.95 ea.

26.995, 27.045, 27.095, 27.145, 27,195, 27.255 ...$2.95 ea. These six frequencies in stock for immediate delivery. .005% tolerance. HC-6 holders; .050 or .093 pins.

Add 8¢ per crystal for postage. All shipments made via First Class Mail

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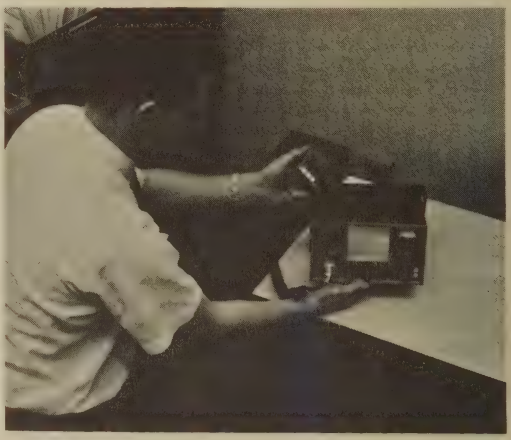
Los Angeles 16, Calif.

But time has waned the memory of the early ill-designed transistorized units and much has been done to improve the circuit board approach so that now a properly designed circuit board is every bit the match for a hand wired unit.

Vocaline Company of America has announced a full five (watt) multi-channel CB transceiver utilizing the best of both of these, transistors and etched circuit boards.

Twenty-two transistors in all, providing many times the number of amplification, detection, noise clipping, etc. functions that one could expect with about half as many tubes, and in a fraction of the space with a fraction of the power consumption of tubes.

The Vocaline ED-276 utilizes only 3 tubes, all in the transmitter portion.



Five crystals controlled transmit-receive channels, plus, a 23 channel well-calibrated tunable receiver of double conversion superhetrodyne design; and an external front panel transmitter crystal socket for those 'extra channels'; eternal front panel "Battery Saver" switch to turn off the transmitter (tubes) filaments and receiver dial light, thereby reducing current drain on receive to just the mere trickle provided by the transistors (Note: reference to current is dependent upon volume level setting. It can be low as 60 ma.); fine tuning on the receiver's fixed channel positions; a 'sensitivity control which is actually an RF gain control and can be adjusted to prevent overloading by very strong signals. Due to its unique squelch circuitry, it will actually break squelch with a .2 microvolt signal when set at threshold! A combination 'S' and RF meter, and a crystal spotting feature on the tunable receiver which allows you to zero-in on the channel of your choice. The "Straight

Line" 3 stage AGC prevents blasting and fading to an extremely high degree.

Operation is from 115 vac or 12 vdc. The unit was factory loaded to 4.95 watts input and indicated output was 3.2 watts (unmodulated) on the unit we tested. 100% modulation is good, clean, crisp and all upward.

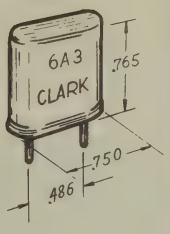
Loading of the transmitter to the antenna is facilitated with a pi-net loading circuit on the 6417 final. Our lab antennas (a beam, whip and ½ wave vertical) each loaded quickly and easily.

The mounting rack for mobile installations is rugged, but nothing new. Like so many other transceivers, it consists of a U shaped bracket fastening to either side of the set and hanging down from the dash underpinings. It main point of interest is that it is several times as heavy as required, and this radio simply will not move once fastened down.

The Vocaline ED-276 tested by our Lab crew was every bit as sensitive, selective and powerful as most operators would desire. Because of the set's rugged design and low power drain, we believe it warrants your attention.

HIGH QUALITY

CB CRYSTALS



Now available from stock for all American made sets using type HC 6 holders—doublers or overtones. Fully guaranteed ±.005% of channel specified. Please specify manufacturer and model number.

Single crystals ..... each **$ 2.95**
Six crystals for **$16.90**
Six pairs for **$30.00**

TERMS: PREPAID OR C.O.D.
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Save time and money—Order direct

CLARK CRYSTAL CO., INC.
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Terry 18W3516 Owner of Amateur Electronic Supply

says

Trade in Your Present CB Equipment on

HALLICRAFTERS CB TRANSCEIVERS

$5 DOWN

three years to pay

NEW HALLICRAFTERS CB-3A $159.95 ONLY $5.77

a month (3 years)

Look at these low payments on all Hallicrafters CB Equipment

		1 Yr.	2 Yr.	3 Yr.
CB-3A 8 Channel	$159.95	$14.65	$7.99	$5.77
CB-5 Transistorized	199.95	18.32	9.99	6.38
CB-4 Hand Held (Ch. 11)	89.95	8.24		

ACCESSORIES

HA-9 S meter Kit for CB-3A	$ 8.95
HA-11 Noise limiter for CB-3A	$15.95

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Complete Stock of Hallicrafters CB Equipment and accessories as well as S-wave Receivers and Ham Equipment.

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Please install Extra Channels for ..... ($5.95 per channel).
I Enclose $ ..... I will pay balance (if any) in: ☐ C.O.D. ☐ 1 Year ☐ 2 Years ☐ 3 Years
For: ☐ 110 VAC & 12 VDC ☐ 110 VAC & 6 VDC
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In this form this unit originally sold new for $ ..... I purchased it ☐ New ☐ Used.
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Address .....
City ..... Zone ..... State .....
☐ Send FREE listing of used CB & Ham gear.

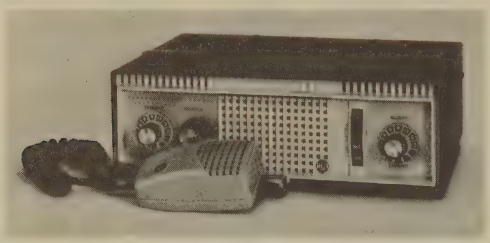
DATE[illegible] INDUSTRY"

NEW PRO[illegible] 2-WAY RADIO

RCA'S NEW TRANSCEIVER

Radio Corporation of America advises that its new Mark VIII 9 channel crystal controlled receive and transmit transceiver is **now** on display at RCA distributors across the nation.

The new set is especially slim in its lines and operates from 6 or 12 vdc and 110 vac. With the 9 crystal controlled channels the user has a 23 channel continuous tuning variable receiver, noise limiter, television interference traps to reduce TVI, a full 5 watts input and 3 or more out.



Listed price on the new light-weight transceiver from RCA is $149.50. Additional data is available from Special Products Department, RCA Electron Tube Division, Harrison, N. J.

HEATH'S NEW ONE WATTER

The Heath Company, Benton Harbor, Michigan has just announced a newly designed full one watt hand-held transceiver that promises to be a top notch performer.

In addition to the full one watt input, the unit (Part 19 of course) has ten transistors, and 2 diodes, a sensitive superhet receiver, crystal controlled transmit and receive with a built-in squelch and automatic noise limiting, a nickel-cadium rechargeable battery, and a built-in battery condition meter. The unit recharges from either a 12 vdc or 110 vac source.

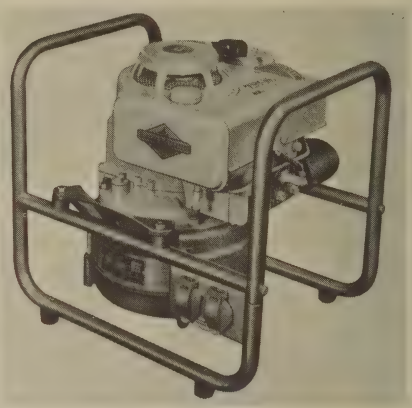
The antenna, too, is built-in. Price per unit is $74.50 including the $20.00 re-chargeable battery, or $139.95 per pair.

White to Heath Company, Benton Harbor 46, Michigan for the full story.

AS/P'S PORTABLE POWER PLANT

With the continued emphasis on emergency public service communications by CB'ers all over the country **Antenna Specialists, 12435 Euclid Avenue, Cleveland 6, Ohio** has just the answer for the CB emergency squad needing a portable lightweight power supply ready to meet any condition.

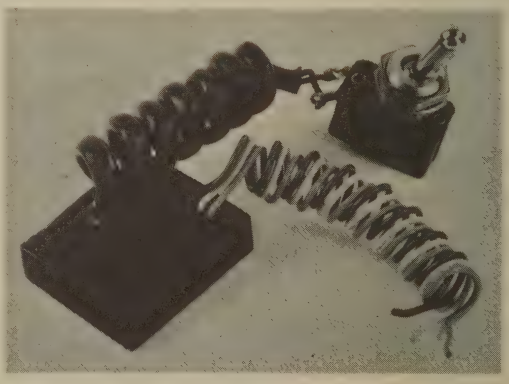
AS/P's new model 1000 Zeus 110 vac generator weighs in at 63 pounds, complete with gasoline motor,



and is ready, willing and able to provide you with 1,000 watts of emergency power whenever you need it. Suggested list price on the new portable power house is $197.50. Write to Bob Beebe at AS/P for the full story or see your AS/P dealer.

KOLIN'S NOISE LIMITER

Kolin Enigineering Company; Box 357, Bronxville, New York has a noise limiting attachment for your CB transceiver that looks very, very nice. Trouble is these people don't think that CB'ers have noise problems, so they are so far only selling them to the hams!



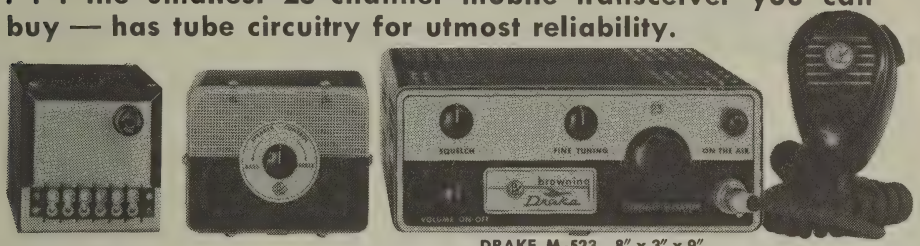
CONTINUED—Page 58

It's Bound To Be The Best ...It's A Browning

. . . all tube circuitry assures famous Browning base station quality and performance of Drake mobile unit!

NEW BROWNING DRAKE

. . . the smallest 23-channel mobile transceiver you can buy — has tube circuitry for utmost reliability.



DRAKE M-523 8″ x 3″ x 9″

Here's the one you've been waiting for — the Drake mobile unit designed and manufactured by Browning with the same components, tubes and features found in our base station equipment. Two models available for 6 and 23-channel operation. Crystal controlled transmit and receive, plus fine tuning. Price includes all crystals factory installed (on M-523), microphone, and DC transistorized power supply. Six-channel Drake M-506 also available. Same features as M-523 except six-channel operation.

The Greatest Pair On The Air

. . . for CB'ers who demand the very best.

R-2700-A BASE STATION RECEIVER

R-2700-A is the world's most up-to-date CB receiver. Has antenna tuning control; planetary ball drive all-channel tuning control; silicon rectified power supply. Selective, sensitive, sensational!

23/S-NINE brings all-channel operation to your base station. Has standing wave indicator; Pi network circuitry; TVI trap; spotting switch and many other features that make it "the talk of the airwaves". Also available: Famous S-NINE and Compact transmitters.

23/S-NINE BASE STATION TRANSMITTER

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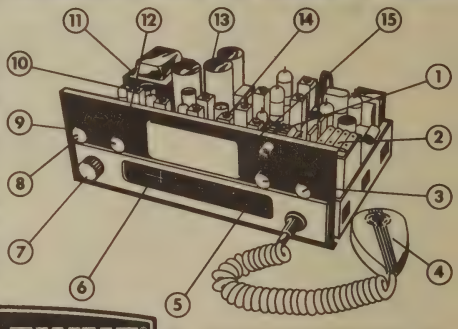
Kit GW-42...no money down, $11 mo.....**$119.95**
Assembled GWW-42...no money down, $18 mo.....**$189.95**



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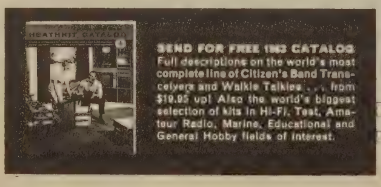

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- 5 CHANNEL TRANSMIT & RECEIVE
- GLEAMING CHROME CABINET
- SIMPLE 3 KNOB CONTROL
- 3.5 WATTS OUTPUT
- NOISE-CANCELLING MIKE
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For the skilled CB operator who wants professional performance at a moderate price, the DEMCO "TRAVELIER." Designed and built by CB'ers . . . for CB'ers! Licensed operators are invited to "Test Drive" this ALL NEW MOBILE UNIT! Check with your nearest dealer at once.

OUTSTANDING FEATURES

Transistorized Power Supply — "S" Meter for reading relative field strength — Audio Spotter — Automatic squelch control — Noise canceling amplifier for positive squelch on noise impulses — Power Requirements: 12 volts DC (115 VAC conversion can be supplied) — Illuminated dials on transmit and receive selector — Convenient size, 9½" x 5½" high and 10½" deep — Color: Chrome plated perforated steel cabinet with black and chrome face.

RECEIVER

9 tube superhet circuit with RF stage — Sensitivity; 1 Microvolt for a 6 db signal to noise ratio — Selectivity: 3.5 KC at 6 db down — Four channel crystal controlled receive — 23 channel tuneable — Input impedance; 50 to 70 OHMS.

TRANSMITTER

23 channels crystal controlled — Plate power input: 5 watts — Power output: 3.25 watts minimum — AM plate modulation automatically limited to 100%.

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Terry 18W3516 Owner of Amateur Electronic Supply

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JOHNSON CB TRANSCEIVERS

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NEW JOHNSON MESSENGER II
$167.95
ONLY $5.95
a month (3 years)

Look at these low payments on all Johnson CB Equipment

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Messenger II 10 ch.	$169.95	$15.12	$8.24	$5.95
Messenger I 5 ch.	139.95	12.37	6.74	-----
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NEW MESSENGER II OFFERS

- 10 channels at flip of a switch—illuminated indicator
- Increased sensitivity, high adjacent channel rejection!
- New . . . high efficiency noise limiter circuit!
- Provision for plug-in selective calling system!

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To: Amateur Electronic Supply
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Ship me a ..... on channel ..... (1 Free).
Please install Extra Channels for ..... ($5.95 per channel).
I Enclose $ ..... I will pay balance (if any) in: ☐ C.O.D. ☐ 1 Year ☐ 2 Years ☐ 3 Years
For: ☐ 110 VAC & 12 VDC ☐ 110 VAC & 6 VDC

I want to buy a ..... and want to trade a ..... which was originally purchased in:
☐ Kit Form ☐ Wired
In this form this unit originally sold new for $ ..... I purchased it ☐ New ☐ Used.

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CITIZENS COMMUNICATIONS

FIRST DISTRICT — KBA-D

April marked the first anniversary of the Waterville Area CB'ers, Inc. President Richard Willette, 1Q5141, also edits the club newsletter, 'The Gremlin.'

A lot of interesting reading was crammed into the March issue of 'The Chatterbox,' the CB Socialites are fortunate indeed to have such a hardworking editorial staff. We particularly enjoyed Eunice Lawson's delightful lampooning of the Mona Lisa, KBA3177 updated Da Vinci's masterpiece to show the lady holding a mike!

Another club birthday was observed in April—the first for the Bell City CB Club of Bristol, Conn. Serving for a second term are: president John Dempsey, 1Q0159; vice president Ted Singleton, KBA2107; sec'y-treasurer Robert Young, 1A2173.

SECOND DISTRICT — KBG-I

The Union County Citizens Radio Emergency Corps invites CB'ers in the Hillside, Westfield or Scotch. Plains area to contact these directors for information on joining their group: Hillside, N.J.: Walter Alexander, 2Q5468; Westfield and Scotch Plains: Joseph Amberg, KBG5283. Richard Rosar, 2W4931, is Deputy County Director as well as director for Linden, N.J. Jack Rappaport, 2A4095, is County Director of the Corps and reports their group was called on to transport emergency shipment of blood for the Elizabeth Red Cross Chapter. In spite of the snow and sleet, the chore was ably handled by Hy Rappaport, 2W5357, of Cranford.

THIRD DISTRICT — KCC-D

At long last! The contest seemed interminable, but the winning entry finally was annouced—**'The Overtone'** will be the name of club paper for the Delaware Valley Citizen's Radio League. This club has their radio shack all ready, except for some 'finishing touches.'

On the west of the Delaware River is another club with a name very similar to our above mentioned friends in the Haddonville, N.J. area. This second club is headquartered in Levittown, Penn. and has been in existence two years. Known as the **Del Val CBA,** their 58 active members monitor channel 11. Club president is Russ Bainbridge, 3Q0970; Caleb Cope, Jr., KCC-0022, is publicity director.

'On Frequency' announced the emergency net of Delaware Valley CBA is operational. This project is under direction of Ray Houck, 3Q0269, and Paul Whittington, 3W1713. The contact for emergencies arising in Delaware or Maryland is 3W1713, who is also club vice-president. For emergencies in Penn. or New Jersey, the contact is Bob Bryant, 3Q0804; Bob is club president.

Dan Patterson, 3W2277, conducts a theory and code course at monthly meetings of the South Jersey Citizens Radio Club; his lessons are amplified by a series of articles and diagrams in the club paper.

FOURTH DISTRICT — KCF-G

In Hagerstown, Maryland, REACT coordinators Bruce Campbell, 4W2480, Ken Michael, KIC1256, and Russ Rhinehart, KCF1492, with Maryland Staff Member Jim Cross, KCF0823, have worked to form the 30 REACT members into a closely knit unit. They are proud of their motto, "Working with Community Rescue Squad and Civil Defense in Washington County." This group is growing with their community, preparing road monitor signs, vehicle identification, operations manual maps and overlays, and countless other papers and material to assist their members and other teams in the Maryland area. During a fierce fire in downtown Hagerstown, REACT's mobile units delivered air and back tanks to the smoke harassed firemen. Bub Fisher, KCF1330, had good reason to thank his fellow REACT members recently; they helped him locate his stolen station wagon! Participating in the search were Paul Kline, KCG0769; Bruce Campbell; Ken Michael; Rus Rhinehart; and Jay Benedick, KCF2574.

During recent election of officers for the Hub Citizens Band Club in Hagerstown, the vote went to Nelson Garling, 4Q1208, for president; Ellie Peek, KCF2474, is new secretary.

In Baltimore, the Holiday Citizens Banders have the following slate of officers: Mervyn Ryder, 4W1486, president; Charles McCombie, 4W1154, vice president; Caroline Dunstan, KCF2786, secretary; Emma Teramani, 4Q1389, treasurer; and Vic Acord, 4Q1799, sergeant-at-arms.

FIFTH DISTRICT — KCI-J

'The Groundplane' is truly the "big receiver for Virginia CB'ers!" This wonderfully professional publication for the Virginia State Citizens Band Radio Assocation, Inc., recently headlined that group's convention plans. On August 25, representatives from the 19 affiliated clubs will convene at the Hotel Jefferson in Richmond. Editor-in-Chief of 'The Groundplane' is Ralph Dombrower, Jr., 5W2060. Other staff members are: Grace Langlotz, KCI2290, News Editor;

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DRAWING RULES: Enter by simply filling out the self-addressed post card below, and mail it to us before June 10th. The winner's name will be drawn, notified by mail, and announced on the inside front cover in General's August ad.

Drawing void in any locality or State where prohibited by law. Federal, State and Local Government regulations apply.

Prize winner will be selected in a random drawing conducted by Stanley R. Rader, Certified Public Accountant. Its decision, with respect to all phases of the drawing, will be final.

Entries limited to residents 18 years of age and older, of the United States and Puerto Rico. Employees and their families, of General Radiotelephone, General Dealers, Stanley R. Rader, Certified Public Accountant, and General Radiotelephone Company's Advertising Agency are not eligible.

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CITIZENS COMMUNICATIONS

FIRST DISTRICT — KBA-D

April marked the first anniversary of the Waterville Area CB'ers, Inc. President Richard Willette, 1Q5141, also edits the club newsletter, 'The Gremlin.'

A lot of interesting reading was crammed into the March issue of 'The Chatterbox,' the CB Socialites are fortunate indeed to have such a hardworking editorial staff. We particularly enjoyed Eunice Lawson's delightful lampooning of the Mona Lisa, KBA3177 updated Da Vinci's masterpiece to show the lady holding a mike!

Another club birthday was observed in April—the first for the Bell City CB Club of Bristol, Conn. Serving for a second term are: president John Dempsey, 1Q0159; vice president Ted Singleton, KBA2107; sec'y-treasurer Robert Young, 1A2173.

SECOND DISTRICT — KBG-I

The Union County Citizens Radio Emergency Corps invites CB'ers in the Hillside, Westfield or Scotch. Plains area to contact these directors for information on joining their group: Hillside, N.J.: Walter Alexander, 2Q5468; Westfield and Scotch Plains: Joseph Amberg, KBG5283. Richard Rosar, 2W4931, is Deputy County Director as well as director for Linden, N.J. Jack Rappaport, 2A4095, is County Director of the Corps and reports their group was called on to transport emergency shipment of blood for the Elizabeth Red Cross Chapter. In spite of the snow and sleet, the chore was ably handled by Hy Rappaport, 2W5357, of Cranford.

THIRD DISTRICT — KCC-D

At long last! The contest seemed interminable, but the winning entry finally was annouced—**'The Overtone'** will be the name of club paper for the Delaware Valley Citizen's Radio League. This club has their radio shack all ready, except for some 'finishing touches.'

On the west of the Delaware River is another club with a name very similar to our above mentioned friends in the Haddonville, N.J. area. This second club is headquartered in Levittown, Penn. and has been in existence two years. Known as the **Del Val CBA,** their 58 active members monitor channel 11. Club president is Russ Bainbridge, 3Q0970; Caleb Cope, Jr., KCC-0022, is publicity director.

'On Frequency' announced the emergency net of Delaware Valley CBA is operational. This project is under direction of Ray Houck, 3Q0269, and Paul Whittington, 3W1713. The contact for emergencies arising in Delaware or Maryland is 3W1713, who is also club vice-president. For emergencies in Penn. or New Jersey, the contact is Bob Bryant, 3Q0804; Bob is club president.

Dan Patterson, 3W2277, conducts a theory and code course at monthly meetings of the South Jersey Citizens Radio Club; his lessons are amplified by a series of articles and diagrams in the club paper.

FOURTH DISTRICT — KCF-G

In Hagerstown, Maryland, REACT coordinators Bruce Campbell, 4W2480, Ken Michael, KIC1256, and Russ Rhinehart, KCF1492, with Maryland Staff Member Jim Cross, KCF0823, have worked to form the 30 REACT members into a closely knit unit. They are proud of their motto, "Working with Community Rescue Squad and Civil Defense in Washington County." This group is growing with their community, preparing road monitor signs, vehicle identification, operations manual maps and overlays, and countless other papers and material to assist their members and other teams in the Maryland area. During a fierce fire in downtown Hagerstown, REACT's mobile units delivered air and back tanks to the smoke harassed firemen. Bub Fisher, KCF1330, had good reason to thank his fellow REACT members recently; they helped him locate his stolen station wagon! Participating in the search were Paul Kline, KCG0769; Bruce Campbell; Ken Michael; Rus Rhinehart; and Jay Benedick, KCF2574.

During recent election of officers for the Hub Citizens Band Club in Hagerstown, the vote went to Nelson Garling, 4Q1208, for president; Ellie Peek, KCF2474, is new secretary.

In Baltimore, the Holiday Citizens Banders have the following slate of officers: Mervyn Ryder, 4W1486, president; Charles McCombie, 4W1154, vice president; Caroline Dunstan, KCF2786, secretary; Emma Teramani, 4Q1389, treasurer; and Vic Acord, 4Q1799, sergeant-at-arms.

FIFTH DISTRICT — KCI-J

'The Groundplane' is truly the "big receiver for Virginia CB'ers!" This wonderfully professional publication for the Virginia State Citizens Band Radio Assocation, Inc., recently headlined that group's convention plans. On August 25, representatives from the 19 affiliated clubs will convene at the Hotel Jefferson in Richmond. Editor-in-Chief of 'The Groundplane' is Ralph Dombrower, Jr., 5W2060. Other staff members are: Grace Langlotz, KCI2290, News Editor;

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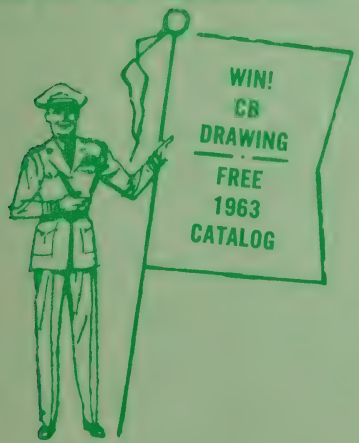

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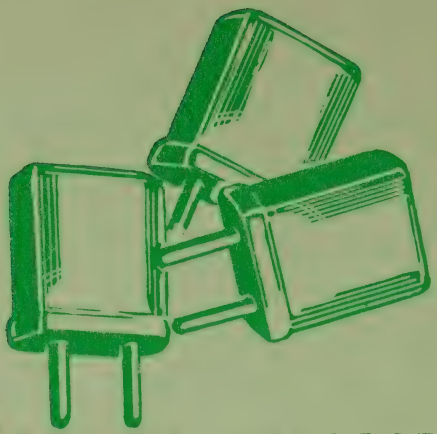

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Bud Lewitt, KCI0025, Technical Editor; Edward Joachim, 5W3996, Advertising Manager; and Merrill Marks, KCI1700, Business Manager.

SIXTH DISTRICT — KDB-D

From the Byrdstown, Tenn. area, we have received word of the election outcome at the Dale Hollow CB Club. Glenn Poore, 6Q0054, is the new president; Elbert Mullins, KDB7457, vice president; and Bob Mullins, KDD1482, secretary. This club monitors 11 and their current project is to erect monitoring channel signs in that area.

4727 Poplar is a mighty 'poplar' address (pardon the pun) in Memphis. CB Radio Products, Inc. is located at this address and they generously make their facilities available to local CB'ers. **The Megamites,** a new club for CB'ers 16 to 25, use the company's meeting room. In March, this firm sponsored a Part 15 rabbit hunt with prizes for the first three hunters to locate the hidden walkie talkie—the hunt was followed by a picnic.

Around Marietta, Georgia, the Rebel Communication Association monitors 21 and chuckles over George's "You send 'em, we'll tell 'em corner" in 'The Rebel Yell.'

SEVENTH DISTRICT — KDH-I

The Cape Canaveral club now has their emergency vehicle rolling the highways and causeways of Brevard County, ready to lend assistance whenever needed. The new vehicle is equipped with first-aid kits, gasoline, tire changing gear, and the best in CB radio equipment. This unit is also part of Brevard County CD Auxilliary.

The Greater Orlando CB club's officers for 1963: President: Marshall Hamm, KDH0791; vice president, Joe Martin, KDH1977; secretary, Lenor Sevech, KDH-1311; and treasurer, Nancy Campbell, KDI0168.

Your CCM needs news from the Jacksonville, Gainsville, Tallahassee, Tampa, St. Petersburg, and Lakeland areas. Let's hear from the publicity directors and club secretaries! Send news to Hugh Pinney, Box 1862, Cocoa Beach.

Club officials from all Florida clubs are invited to attend organizational meeting of the Florida State Alliance of Citizens Band Clubs on August 3 at Cocoa Beach.

The Greater Orlando CB Club's outing at Ocala National Forest was thoroughly enjoyed by 50 members and their families.

With deep regret we report the accidental death of Paul Ford, KDH1195, of Merritt Island, April 3. Paul and his uncle were installing a CB antenna when it struck a power line. Paul was an active member of the Cape Canaveral CB club, and a friend of all CB'ers in the area.

A new club is taking root in the Orlando area; it's being organized by Chuck Griggs, KDH0606. More on that next month!

EIGHTH DISTRICT — KEA-B

If your club publishes an 8½ x 11 newsletter, ask your advertising or business manager to consider this idea borrowed from 'The Squawk Sheet,' published for CB'ers in Jackson, Mississippi: To further enhance the idea of a full page ad, suggest printing it on your advertisor's business stationery. The professional look of the letterhead, plus the familiarity of the logotype give added eye-appeal to the ad. The advertisors furnish their stationery — your staff furnishes the printing, and the result is an ad section that is neat, colorful and professional looking.

NINTH DISTRICT — KED-E

There will be a CB Jamboree at the South Texas State Fairgrounds in Beaumont, Texas on May 25 and 26. Tickets are on sale for adults at $2.00; children under 12, $1.25. Eyeball QSO the first day. On Sunday, catfish and fried chicken — all you can eat! For more information and/or tickets: Beaumont CB Club, Box 6244, Beaumont, Texas. Our thanks to Mrs. Jo Comer, KED1584, for this information.

ELEVENTH DISTRICT — KEJ-K

A REACT team is being organized to provide emergency service in the mountainous mining regions around Superior, Ray and Kearny, Arizona. Organizers are KEJ0521, William Eason of Superior; KEJ4236, Jack Richardson of Ray, and KEJ5109, Glen Kindell of Kearny.

The Arizona Citizens Radio Association and the Maricopa County Emergency Communications combined once again to provide communications and assistance in collecting donations for the Cerebral Palsey drive. These two organizations were called on to help in the search for a missing preschooler who was found and returned safely to her home.

TWELFTH DISTRICT — KFC-D

The Cloud Five Radio Club, located in Sunnyvale, Calif., announces their officers: Richard Foote, 12Q-1330, president; Chuck Krohn, KFC4370, vice president; Carrol Deaton, KFC3960, treasurer; Marcella Baker, KFC0109, secretary; and Jack Hudson, KFC3044, sergeant-at-arms. Club address is Box 973 in Sunnyvale. We hope to hear more of this new club in future columns.

The Santa Clara County CRL has begun organization of a Volunteer Emergency Communications group to be used during disasters or civic events when short range communications is needed. During the recent nationally publicized department store explosion in San Jose, members of this group provided contact between the Civil Defense Center and the disaster area: Ed Hoxsie, KFC0289; Ralph Marsh, KFC2796; Paul Williamson, 12Q1577; and our CCM Dick Southern, 12Q3113.

Any CB'er interested in forming an emergency net in and around San Francisco Bay area, please write CCM Dick Southern (address appears elsewhere in magazine).

The Mission City CB Club held its first meeting recently in Santa Clara. Earl Possoa, KFC4457, was appointed acting chairman. Future meetings will be third Mondays, 7:30 p.m., corner of Lewis and Lafayette Streets. All guests are invited and very welcome!

THIRTEENTH DISTRICT — KFF-G

From the Rocking A Ranch, Mrs. Ann Dickens KFF0901, writes us that the Central Oregon CB'ers of the Bend area monitor channels 3, 9, and 15. This club has begun work organizing a search and rescue group to work with the sheriff's office in Prineville.

FOURTEENTH DISTRICT — KFI-J

Circle June 8 and 9 on your calendar! That's when the Apple Capitol 5 Watt Association will host a state pot luck picnic. Write our CCM Fern Fechner for more details.

Cashmere, Washington put on its annual Snow Train Excursion and drew some 1,450 guests from Seattle. The excursion is sponsored by the Chamber of Commerce and benefits the Heart Fund. Lending their assistance to the project were Jim Thomas, 14Q0910, of Wenatchee; Clyde Decker, 14Q0821, and Edmund Fechner, 14Q0497, both of Cashmere.

Members of the Evergreen Club of Everett, Wash., were guests of the Seattle Minutemen at a dance in Burien recently.

Three more clubs have joined the Washington State CB Association — this organization has been given time on Seattle radio station KVI at 8:05 p.m. Mondays.

FIFTEENTH DISTRICT — KGB-C

The Albuquerque Citizens Radio Association is headed up by this slate of officers: president, Fred Kellum, 15Q1265; vice president, Jim Burnham, 15Q-0300; secretary, Paul Choc, 15W2442; and treasurer, Ed Lybarger, 15W1895. Until recently, their newspaper "The Five Minute Times" was edited by Paul Hodges, 15W2485. Upon receiving Paul's resignation, vice president Burnham wrote a very fine thank-you note to Paul that appeared in the newsletter; it was a real tribute to the work contributed by Mr. and Mrs. Hodges.

In their roster of members, this club lists all the channels each member has; very convenient information.

SIXTEENTH DISTRICT — KFE-F

The Sioux Empire Jamboree will be held at Lewis & Clark Lake, Yankton, South Dakota on June 22 and 23 — rain or shine. Registration Fee is $2.00 for each adult and $1.00 for each child under 12—this includes one meal served on Sunday, June 23, from 11 a.m. to 2 p.m. Free prizes, a good program, boating, sightseeing, plus lots of camping ground for those who want to camp! Sounds like fun! For tickets, write Sioux Empire Jamboree, Box 1652, Sioux City 2, Iowa.

EIGHTEENTH DISTRICT — KHA-D

Better keep these dates open for the Bartholomew County CB Radio Club Jamboree — May 24, 25 and 26. At the 4H fairgrounds in Columbus, Indiana, there will be plenty of eats, music, dancing, games and displays. A big time is in store for all.

Getting a fine paper called the Lakeland Breaker put out by the LCRN club of Dane County. This club has started a savings account, we think this is a fine idea and all clubs should do the same for some rainy day. The LCRN did a fine job on the March of Dimes—over $2300 collected in three days.

NINETEENTH DISTRICT — KHG-J

The Macomb CB'ers Club of Mt. Clemens, Michigan supplied communications for motorcycle races on ice at Bitten Lake. The Liberty Motorcycle Club of Detroit set up the races and establishing contact between the finish line and the control tent were: Terry McKernan, 19Q0796; Walt Graham, KHH1319; Wilbur Johnson, KIC7232; Ruey Wood, 19Q8182; Ben Nobles, KHI1839. CCM Vince Culker reports this first communications project by the club was very gratifying — they were commended by the motorcycle club and 'The Michigan Sportsman' magazine covering the event.

In Roseville, Mich., the 11-Meter CB Club's board of directors has appointed Bob Coburn, KHG0643, as president; Bill Charmonti, 19W4300, vice president; Wally Zielke, 19W2743, treasurer; Herb Armon, 19Q-1194, secretary; and Bob Hacker, 19W6917, sgt.-at-arms. Lots of luck to this club and their new board. Any further information from this club would be appreciated.

The Cereal City CRC of Battle Creek reports their Radio Patrol is now an official club function (using channel 3) in cooperation with local law enforcement officials. Elmer Sootsman is communications chairman. Twenty CCCRC members assisted in the 6th annual Klondike Derby at Binder Park for the Boy Scouts.

The Metro 11-Meter Club of Detroit meets third Sundays at Davison and Kentfield in the American Legion Hall. Officers for this three year old club are: pres., Ed Taylor; vice pres., Jerry Wade; treas., Virginia Taylor; secretary, B. J. MacDonald, 19W7520.

The sheriff's department of Livingston County and the Brighton City Police monitor CB on base and mobile on channel 14—call is 19A7973.

We read it from 'cover to cover', but we still don't know who edits the newsletter for the **South-Lynd Radio Club!** This first edition was small (4 pages) but there were no wasted spaces or words.

R. L. Trebilcock, vice president of the MCEU Kalamazoo Chapter, reports their "Operation Good Will" is underway to get QSL cards sent to two CB'ers: Mr. Arthur Damsgoord, care of the Holland City Hospital in Holland, Michigan; and, Miss Nancy Flagg, University of Virginia Hospital, Charlottesville, Virginia.

TWENTIETH DISTRICT — KIC-D

In Albion, New York, another club has been added. Known as Orleans County CB Radio Club, membership totals 18 and officers are: pres. Howard Traub; vice president Vincent Culmo; secretary Shirley Traub; treasurer Mamie Culmo; and sgt.-at-arms Charles Culmo. Club members have taken Red Cross first aid courses and the civil defense medical training course. Joe Nenni, of Albion, is the instructor, and advanced courses will be given this Fall. Meetings are second Thursdays at the VFW Hall.

Rochester, N.Y. CRC members certainly did their share in reporting and assisting stranded motorists during the bad weather.

Krystal Crackers report their membership is expanding so fast they may have to add on to their club room! They meet at 7:30 p.m. on first or second Saturdays in St. Joseph's Hall in Oneida. They have qualified for REACT.

TWENTY-THIRD DISTRICT KJB-C

The 49er-5 Watter Club was organized late in 1961, current president is Harold Forslund who lives at 39½ mile on Glenn Highway. CB'ers in this district are invited to join this club — call 23Q0013 or KJB0041, channel 11 any time. KJB0084 can usually be reached after 6 p.m.

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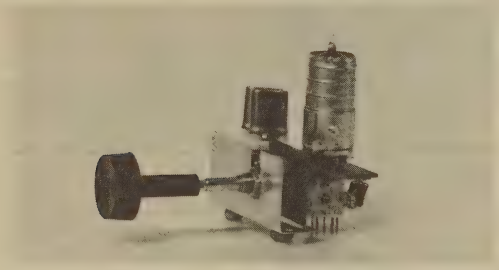

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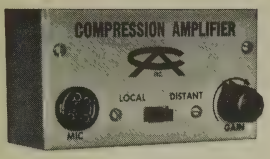

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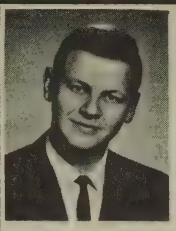

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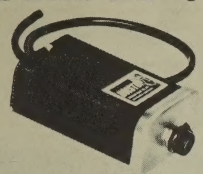

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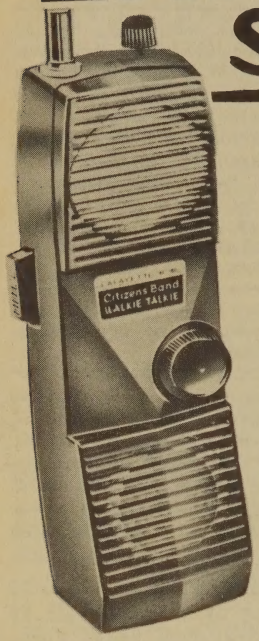

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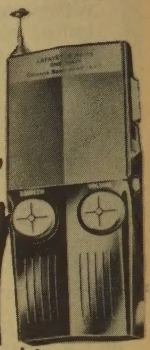

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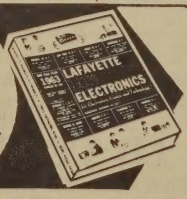

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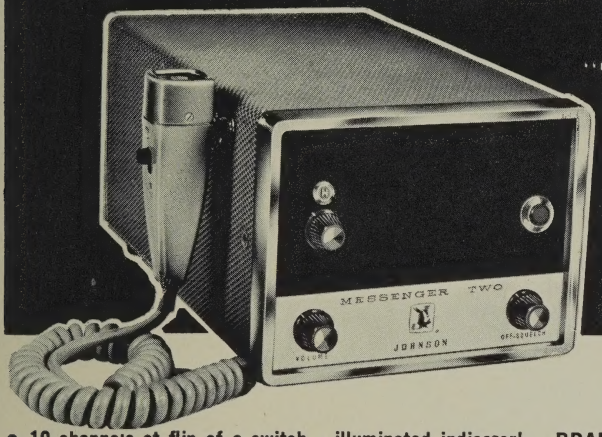

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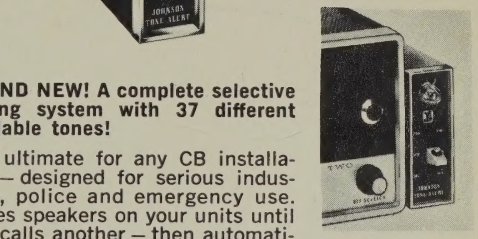

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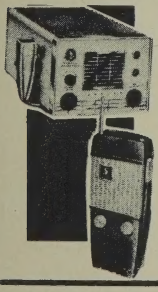

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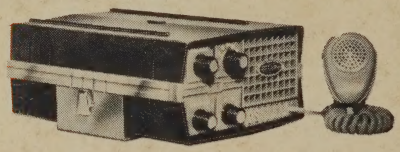

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